



Established in
ENGLAND - - 1859
AUSTRALASIA 1885

Registered as a Newspaper and
PUBLISHED WEEKLY AT
42 CANNON ST., LONDON, E.C.4

Telephone: 3617 CENTRAL (3 lines)
Telegrams: CHEMICUS, CANNON,
LONDON (charged as two words only).

No. 2,056. Vol. XCI

SUBSCRIPTION (including the Diary and Text Book) at Home or Abroad,
15s. PER ANNUM, POST FREE. Single Copies 6d. each, including postage.

JUNE 21, 1919

“ **EVANS** ”

FOR

Drugs, Pharmaceutical and Bacteriological Preparations.

N.B.—All Chemicals, etc., not own manufacture carefully tested
by own Analysts and guaranteed of finest quality.

EVANS SONS LESCHER & WEBB LTD.

LIVERPOOL, LONDON, and NEW YORK.

We offer for prompt delivery

BISMUTH SALTS.

MERCURIALS.

BROMIDES.

IODIDES.

BARBITONE.

PHENOLPHTHALEIN.

GUAIACOL & COMPOUNDS.

CREAM OF TARTAR.

SODA TART.

PARALDEHYDE.

PODOPHYLLIN.

QUININE.

THEOBROMINE.

MAY & BAKER, LTD., *Manufacturing Chemists,*
BATTERSEA, S.W. 11.

REDDGRAVE, BUTLER & CO.

ESSEX HOUSE, STRATFORD, E. 15.

Telephone : STRATFORD 799.

Paraffinum Liquidum B.P.

1914.

Paraffinum Molle Alb.

Paraffinum Molle Flav.

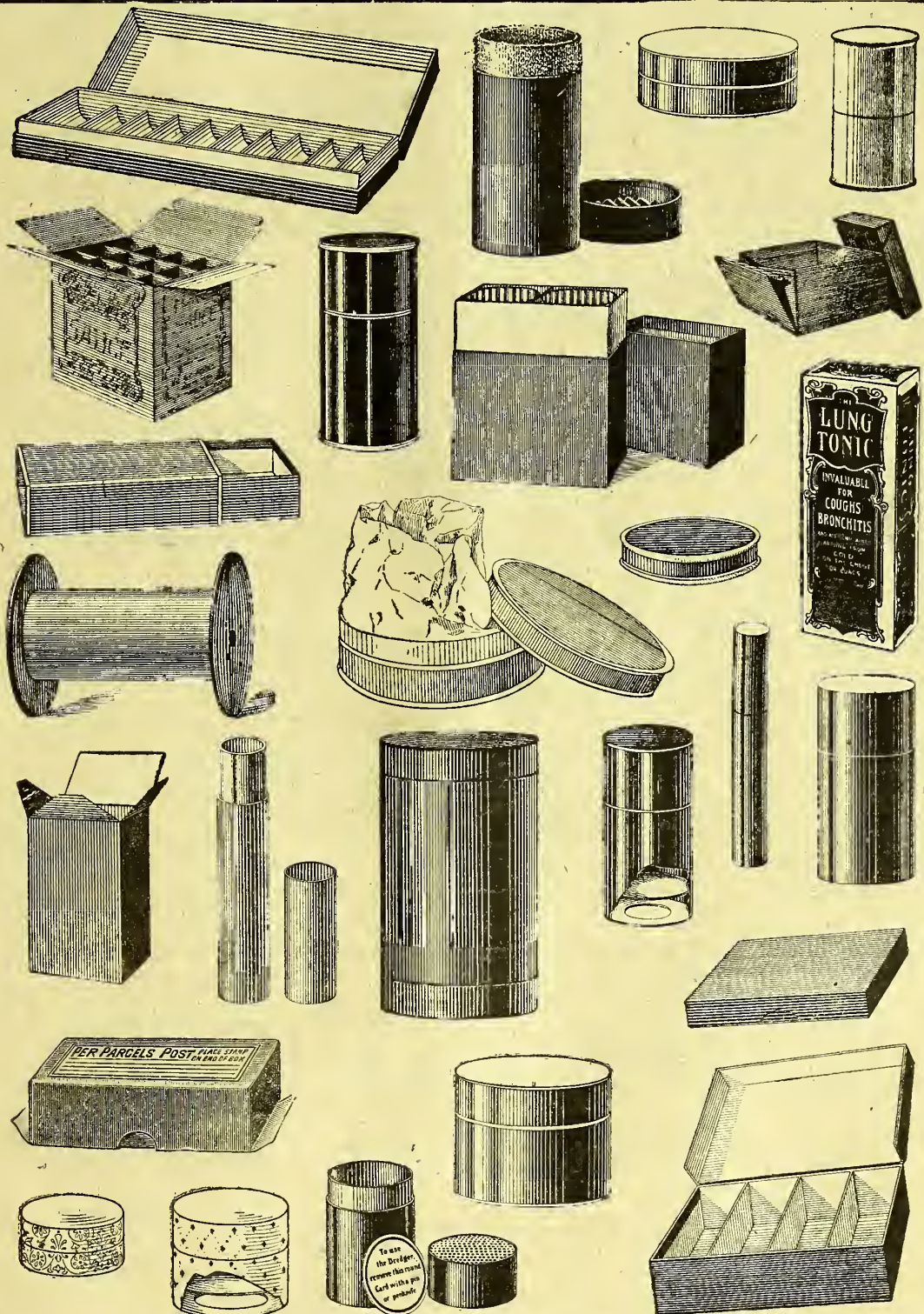
SAMPLES & QUOTATIONS UPON APPLICATION.

ROBINSON & SONS, Ltd., CHESTERFIELD.

London Warehouse
168 OLD STREET, E.C.

BOXMAKERS to the CHEMIST TRADE.

ESTABLISHED 1839.



BOXES FOR ALL PURPOSES.

— **SICILIAN** —
LEMON - BERGAMOT
ORANGE - MANDARINE.
— **SPINELLI** —

**THE OILS THAT HAVE A LONG
REPUTATION FOR QUALITY.**

In the manufacture of our Terpeneless Oils it was imperative that we secured the very finest Sicilian Oils to work upon. After several exhaustive tests we came to the conclusion that "SPINELLI" brand of Sicilian Oils gave us the best results. As we were able to place large orders for our own needs with the manufacturers, we have pleasure in stating that they have entrusted us with their British Agency, and we offer to users of Sicilian Oils the benefit of our experience. There is quality in every package. Guaranteed Genuine Oils of authentic origin, and to conform to any
" : : : analysis as to purity. : : : "

HOLLANDS DISTILLERY LTD.

Lavington Street, Southwark, LONDON, S.E. 1

A B C Code, 5th Edition
Western Union.

Telegrams: "LANDSLOH, LONDON."
Telephone: HOP 898.

AMERICAN AGENTS—O. A. BROWN CO., INC., 99-101 Beekman Street, NEW YORK.
CANADIAN AGENTS—F. S. JARVIS & CO., 18 Toronto Street, TORONTO.

TERPENELESS OILS

BRITISH MADE.

We manufacture exclusively ourselves all kinds of Terpeneless Oils, and invite inquiries from users throughout the World.

WE SPECIALISE IN TERPENELESS:

Anise (Anethol)

Bay

Bergamot

Caraway

Cassia

Cinnamon

Clove

Dill



Geranium

Ginger

Juniper Berry

Lavender

Lemon

Limes

CITRAL

EUCALYPTOL

Mandarin

Nutmeg

Orange

Peppermint

Petitgrain

Rosemary



CINNAMIC

ALDEHYDE

GERANIOL



HOLLANDS DISTILLERY, Ltd.

Lavington Street, Southwark, London, S.E. 1.

A B C Code (5th Edition),
Western Union.

Telegrams: "LANDSLOH LONDON,"
Telephone: HOP 898.

AMERICAN AGENTS—O. A. BROWN CO. INC., 99-101 Beekman St., New York.
CANADIAN AGENTS—F. S. JARVIS & CO., 18 Toronto Street, Toronto.



PUT THE
Ker-nak
 BOY
 IN YOUR WINDOW
 NOW!

EXPENSIVE MODEL LENT FREE.

This beautifully coloured figure, standing 24 inches high, will be sent securely packed in crate, carriage paid, to every chemist purchasing **Ker-nak Pills to the value of 50/-**. These will be supplied on the usual Window Show Terms of 5 per cent.

The only stipulation is that, after 2 weeks' show, the Ker-nak Boy must be sent to a new address which will be supplied.

ORDER FORM.

NAME

Address

Date

To Messrs. C. E. Fulford, Ltd., Carlton Hill, Leeds.

Please send "Ker-nak Boy." I agree to give 2 weeks' window display, and forward the figure (carriage at your expense, to a new address which will be supplied. I enclose order which includes at least 50/- value of Ker-nak.

Yours truly,

Signature

PRICES OF KER-NAK: 1/3 size, 12/6 doz.; 3/- size, 28/- doz. (Minimum Prices Face Value)

INDEX TO ADVERTISERS

AERATORS, LTD., Sparklets	1	CAMWAL, LD., Mineral and Aerated Waters	xlvi	GARDINER & Co., Overalls	xl
ALLCOCK MANUFACTURING CO., Plasters	lvii	CANADIAN SANITAS CO., Agency	xlvi	GARDNER, W., & Sons (Gloucester), LD., Sifters	liv
ALLEN, R. H., & Co., Foot Balm	xl	CARMICHAEL, F. J., & Co., Camomiles	xxxviii	GARRETT, J. E., Newskin	xl
ALLIANCE DRUG CO., Chemicals	xvi	CARMOL, LD., Toilet	34	GASTON, WILLIAMS & WIGMORE, LD., Chemicals & Drugs	xxxvii
AMERICAN COMMERCE CO., LD., Chemicals	iv	CARR, G., & Co., LD., Saccharin	xxxvi	GATES, LESLIE, Bottle Cappings	lvii
AMSTERDAM QUININE WORKS	xxvi	CASSON CHEMICAL CO., LD.	xlvi	GENERAL CHEMICAL CO., Embrocation	xx
ARMOUR & Co., Junket Powder... v, Text	xxii	CASTLE TABLET CO., LD., Tablets & Pills	vi	GIBBINS, R., & Co., Saccharin	xxxvii
ARNOTT, JAMES, & Sons, LD.	xxii	CHATELAIN, J. L., French Proprietaries	xv	GIGNOUX FRERES & BARBEZAT, Drugs	xxvii
AYRTON, SAUNDERS & Co., LD., Wholesale Druggists	15	CHELTINE FOODS CO., Foods	lviii	GILBERT, M., Perfume Products	26
BAKER, PERCY P., Brushes	32	CHEMICAL WORKS MADDOERY, LD., Mole Fern Extract	vii	GILLARD GORDON, LD., Eucalyptol	xxxvii
BANDOENG QUININE FACTORIES	xxvi	CHEMISTS' DESIGN SERVICE	1x	GIMBER, W., Surgical Dressings	xlvi
BANISTER STREET WORKS, LD.	lvi	CHRISTOPHERSON, C., & Co., Cream of Tartar	xi	GOODALL, BACKHOUSE & Co., Water Glass	Cover
BAROLA CO., LD., Proprietary	xxvii	CHRISTY, T., & Co., Shampoo	lviii	GOODMAN, G., LD., Safety Pins	lvii
BATH AND WEST OF ENGLAND COLLEGE	lix	CLEMENT & JOHNSON, Antiseptic	xxiv	GREEFF, R. W., & Co., Chemicals	6, 7
BEATLEY SOCIETE COMMERCIALE, Chemicals	xxvii	COOPER LABORATORY, Tablets	xxix	GREENWICH LEMONADE CO	xlvi
BEATSON, CLARK & Co., LD., Recess Shop Rounds	lxiii	COOPER, SON & Co., LD., Cachets	lviii	HARKER, C. R., STAGG & MORGAN, LD., Hair Dyes	30
BEECHAM, THOMAS, Pills	xxx	CROOKES' LABORATORIES	42	HARPER, C. W., Saccharin Tablets	xx
BENGOL TRADING CO., INC., Saccharin	xi	CROSFIELD, JOSEPH, & Sons, LD., Glycerine	14	HARRINGTON BROS., LD., Chemicals	xvii
BENZOATES, LD., Drugs	iv	CURACEA	xlvi	HAWORTH & AIREY, Wines	1
BERR, F. W., & Co., LD., Acids, Chemicals	x	CYNTA MANFG. CO., Towels	40	HAY, E. J., & Co., Caramel	xli
BERRY'S, J. B., Sons' Co., INC., Pet. Prods	xxxiii	D.D.D. CO., LD.	28	HAY, WILLIAM, LD., Essences	xlix
BERTON, ARTHUR, LD., Tooth Powder, &c.	12	DE GROOT BROS., Indian Produce	xiii	HENRY, T. & W., Calcined Magnesia	xi
BIDWELLS, LD., Brushware	33	DE ST. DALMAS, A., & Co., Plasters, &c.	xliv	HEWLETT, C. J., & Sons, LD., Tonic, &c.	xli
BLADGEN, VICTOR, & Co., Chemicals	ix	DEARBORN, LD., Toilet Specialities	lii	HILGER, ADAM, LD., Refractometers	lvi
BLYTHE, W., & Co., LD., Epsom Salts	ii	DODGE & OLCOTT CO., Essential Oils	26	HIND & LUND, LD., Pharm. Machinery	lv
BOTTLES, Box 155/12	12	DORING, E. DUNCAN, Bottles	lviii	HINDEN, LD., Hair Tint	28
BRADFORD WOOL EXTRACTING CO., LD.	xi	DOUIN & JOUENAU, Labels	20	HOBBS, W. H., & Co., LD., Ess. Oils, &c.	22
BRAMWELL, E., & SON, LD., Chemicals	lviii	DUROSE, F. W., Bottle Caps	20	HOLLANDS DISTILLERY (Ess. Oils), LD. 2, 3	3
BRASSE, E., Sea-Tangle Tents	vi	EDGE, W., & Sons, LD., Stain Remover	liv	HOLLIDAY, L. B., & Co., LD. Chemicals	xxiv
BRITISH MERCHANTS INCORP., LD.	xxxix	ELLIOTT OPTICAL CO., Optical Goods	xii	HOPKINS, J. L., & Co., Extracts	xxi
BRITAIN, HART J., LD., Proprietary	30	EMPIRE PERFUMERY CO., Face Powder	19	HOWARDS & Sons, Chemicals	i
BRODIE, O., & Co., LD.	liv	ENO, J. C., LD., Fruit Salt	xlili	HOWARDS, Vermin Killer	1x
BROOK, PARKER & Co., LD., Sacch. Tabs.	xxxvi	ERASMIC CO., LD., Price Changes	24	HUNTER & GOW, Fertilisers	1x
BROOKS, O. G., Glass Funnels, &c.	lv	EVANS SONS LESCHER & WEBB, LD., Hawley's Insect Killer	xi	HUISKING, C. L., American Drugs, &c.	viii
BRUNNER, MOND & Co., LD., Alkalies	iii	EVAN-WILLIAMS CO., LD., Shampoo	lviii	IDRIS & Co., LD., Aerated & Mineral Waters	li
BULL, D. W., Paper	1x	FECHER, M. J., LD.	lv	IMEX CORPORATION, Saccharin	xxxvii
BURGE, WARREN & RIDGLEY, LD., Brushes	32	FELLOWS' MEDICAL MFG. CO., Syrups	xiv	INDIA RUBBER, GUTTA PERCHA & TELEGRAPH WORKS CO., LD., Hot Water Bottles	liii
BURLINGTON CORRESPONDENCE COLLEGE	lii	FERRER, R., LD., Capsules	xxi	JACKEL ET CIE (PARIS), LD., Hair Cream	24
BURNSIDE & Co., Eucalyptus Oil	xxxviii	FIELD, C. W., Saponine	xvi	JOB BROS., Cod Liver Oil (Newfoundland)	10
BURROUGHS WELLCOME & Co., Kepler Products	43	FINE, F., & Co., Gums	lviii	JOHNSON, A., & Co. (LONDON), LD., Drugs	iv
BURROW, W. & J., LD., Mineral Waters	xlvi	FLEMONS & Sons, English Herbs	xvi	JONES, SAMUEL, & Co., Gummed Paper	liv
BUSE, W. J., & Co., LD., Lavender Water	23	FORGROVE MACHINERY CO., LD.	lv	KALOS, Liqueur	x
BUTLER, E. H., & SON, LD., Tablets	xlili	FRAME FOOD CO., Foods	xl	KAT BROS., LD., Fly Catchers	lix
BUXTON HOT-SPRING SALTS CO.	1	FRANSES, J. J., & Sons, Waxes	xxxii	KEENE CO., Aspirin, &c.	xxxviii
CADBURY BROS., Cocoa	Cover	FREEMAN BROS., Dentistry	xii	KERFOOT, T., & Co., LD., Kergain	35
CAMOMILE TONIC CO., Hair Dye	20	FRIEDMANN, V., Chemicals	xxvi	KHAMBATA, J., & Co., Tartaric Acid	xiv
		FUERST BROS., LD., Chemicals	x	KIDSTON, W. M., & Co., Pet. Jelly	xxxiii
		FULFORD, C. F., LD., Kernak, Ven-Yusa	4, 21		
		FULLER, R. L., & Co., LD., Chemicals	xxii		
		GAMBLES, J. C., & Co., Eau-de-Cologne	13		

[continued overleaf]

Pears' Soap

MATCHLESS FOR THE COMPLEXION

FACE VALUE

THE GOLDEN SERIES OF TOILET REQUISITES

NOW INCLUDES

Pears' Dental Paste

MATCHLESS FOR THE TEETH.

A. & F. PEARS, Ltd., 71 to 75 New Oxford Street, London, W.C.1

INDEX—contd.

KIRBY, H. & T., & Co., LD., Aspirin Tablets	xxxix	ODOL CHEMICAL WORKS, Dentifrices ...	27	SOLPORT BROS., LD., Baby Balance ...	14
KNOX-WALKER, J., & Co., LD., Hair Dyes	lviii	OFVERBERG, E., & Co., Change of Address	xlii	STERN, LD., Oils, Petroleum, &c.	xxxiii
LANGLEY-SMITH & Co., Castor Oil ...	xxxiv	OUTRY, MILLAR & Co., Gelatines	xlvii	STEVEN, G., & Co., Wholesale Druggists	xxv
LANG, JULES, & SON, Glassware	lxii	OYERS LD., Rubber Goods	xli	STRODE COSH & PENFOLD, Toilet Cream ..	28
LANKSHEAR, WICKSTEAD & Co., LD. ...	xxi	P.A.T.A.	xlii	SWALES, THOMAS, Ladies' Vanity Bags ..	14
LAVISTA, F., & FREEMAN, Brushes ...	12	PAGE, CHAS., & Co., LD., Chemicals ..	xxxiii	SWISS BANK CORP., Mercantile Banking vi	
LAYCOCK, T., & Co., Bottles	ixii	PAINE & Co., LD., Malt Extract	34	TEXALO MANFG. Co., Water Paint	xlii
LAZARD-GODCHAUX Co., LD., Dyes ...	xxvii	PAPIER POUDRE, LD., Toilet Preps. ...	29	THEW, HOOKER & GILBEY, Dried Milk ..	37
LEIGHTON LABORATORIES, LD.	30	PEARS, A. & F., LD., Soaps	5	THOMAS, CH., & BROS., LD., Glycerine xxxi	
LENNON, LD., Drugs	xvii	PELLIOT, H., & CIE, Cream of Tartar, &c.	xxvi	THOMPSON & CAPPER, LD., Tonic	41
LEROZA THEATRICAL STORES	lviii	PENICK, S. B., & Co., American Drugs vii		THORNLEY, S., LD., Methyl. Spirit... ..	xxxiv
LEVERMORE, A., & Co., LD., Precip. Chalk	lviii	PERRY & HOPE, LD., Oils	xx	TIMPSON, JOHN, & Co., LD., Baby Powder	28
LEWIS, A. J. C., Photographic.....	lx	PETRI BROS., Peptone	vii	TITTERTON & HOWARD, Brushware ..	32
LIVER RAZOR Co., Safety Razors ...	lx	PICERNO, V. A., Chemicals and Drugs xiv		TOLKOWSKY, S., Russian Crude Drugs, &c.	viii
LLOYD, H. O., Lemonade, &c.	18	PICKARD, IVE & RANKIN, LD., Acet. Sal. Acid	xxix	TOOGOOD, WM., LD., Toilet Cream ...	27
LOTHOUSE & SALTER LD., Health Salts	xl	PIGGOTT, C. J., Extract of Meat	xli	UCAL	8
LONABARC TRADING Co., Essential Oils	20	POLAK & SCHWARZ LD., Essences, &c. ...	38	UNITED ALKALI Co., LD., Chloride of Lime	ii
LONDON ESSENCE Co., LD., Perfumes	26	POLSON, N. C., & SONS, LD., Agency ..	xliii	VICKING RENNET Co., LD.	xl
LONDON PHARMACEUTICAL REFINERS, LD.	20	POULENC FRERES, Stocaine	37	VINOLIA Co., LD., Shaving Stick, &c. ...	25
MACK IVOR, Ledger	lviii	POWELL, F. W., Drugs and Chemicals iv		VIOLETT MANFG. Co., Lemonade	10
MCBAIN, J. K.	lix	PREMO CONCENTRE & ESSENTIAL OIL Co., Essential Oils	16, 17	VIROL LD., Annual Report	12
MCDUGALL BROS., Dog Medicines ...	lx	PRESTON'S LIVERPOOL DISTILLERY Co., LD.	xliii	VISCOSCO Co., LD., Bottle Cappings ...	lvii
M'GLASHAN, D., Fruit Drink	lix	PRICE, A. S., & Co., LD.	xliii	VITAMOGEN, LD., Invalids' Food	xli
MCKECHNIE BROS., Sulphate of Copper xiv		PRONK, DAVIS & RUSBY, LD., Saffron, &c.	xxxiii	WALTON, T. H., & Co., LD., Sacch.	xxxvi
MCKESSON & ROBBINS, Drugs	vi	RAJAR, LD., Photographic Papers, &c. 36		WARRICK BROS., LD., Cachets, Capsules 44	
MACLEAN, W., SONS & Co., Chemicals xiv		RANSOM, W., & SON, LD., Tinctures Cover		WASHINGTON CHEMICAL Co., LD., Magnesia	x
MAC SWEENEY, E., Corn Cure	lviii	RAWORTH, J. E., & MOSS, Patent Agents	lviii	WATFORD MFG. Co., LD., Turtle Extract xli	
MACKENZIE'S, DR., LABORATORIES, LD.	xl	RED BAND CHEMICAL Co., LD.	xv	WATSON & Co., Tablets	xvii
MAIDEN, ALBERT B., Gelatine	xxviii	REDDGRAVE, BUTLER & C., Paraffin Cover		WESTERN DENTAL MANUFACTURING Co.	liii
MAIMBERG, K., Petroleum Jelly	xxviii	REDIO Co., LD., Nail Cloths	33	WESTMINSTER COLLEGE OF PHARMACY ..	lix
MARET & Co. (London), LD., Sponges 35		RELIANCE OIL Co., LD., Paraffin ...	xxxiii	WHIPFEN & SONS, LD., Emetine Salt ..	ix
MARTIN & Co., Toilet Specialists ...	xviii	RENDELL, W. J., Pessaries	xli	WHITE, J. & J., Bichromates	ii
MAW, S., SON & SONS, LD., Sterilizers 11		RICHMOND, JAS. H., Vet. Medicines... ..	lx	WHIPMAN, P., & Co., LD., Drugs & Chemicals	xxxix
MAY & BAKER, LD., Chemicals	Cover	RIGAUD-CHAPELLE, French Proprietaries 31		WIGGLESWORTH, LD., Corn Cures ...	Cover
MENLEY & JAMES, LD., Aspirin	xxix	ROBERTS & Co., Continental Props. xxviii		WRIGHT, LAYMAN & UMNEY, LD., Price Changes	9
MIDGLEY, CHAS., LD., Soaps	39	ROBINSON, B., & Co., LD., Concentrated Water	xlii	WYLEYS, LD., Pharmaceuticals	Cover
MILLAR, A., & Co., LD., Quinine Wine 26		ROBINSON & SONS, LD., Boxes	1	ZEAL, G. H., Chemicals	10
MITCHELL, N. W., & SONS, LD., Corks lxii		ROSENBLATT, SAMSON, Chemicals	x	ZENOBIA, LD., Perfumes	27
MONSANTO CHEMICAL WORKS, Chemicals	lxiv	RUFF, G. W., Avulsion Perfumery... ..	15	ZIMMERMANN, A. & M., LD., Chemicals xxii	
MULLER LABORATORIES, LD., Nutrient... xi		SACCHARIN CORPORATION, LD., Novocain	xxx	ZIMMERMANN, C., & Co. (Photographic), LD.	lix
MURDOCH, J., & Co.	xviii	SANTROCI, Capsules	xvi		
NEWBALL & MASON, Herb Extract ...	xl	SCOTT & TURNER, LD., Liver Salt ...	liv		
NEWTON, JOHN M., & SONS, LD., Glass lxii		SHADEINE Co., Hair Dyes	lviii		
NEW WAVICURL Co., Toilet Goods ...	lviii	SIM, LD., Ampoule Files	xxi		
NICHOL'S CHEMICAL Co., LD.	xli	SMITH, T. & H., LD., Drugs	xxiii		
NICHOLSONS (Newcastle O/T), LD., Honey, &c.	xxviii	SMITH, STANISLREET & Co., Indian Drugs, &c.	vii		
NORRIS BROS., LD., Chemicals	xix	SOLAZZI, Liqueurice	xvii		
NORWICH CREPE Co., Bandages	xiv				
ODDS ON SPECIFICS Co., LD.	xxxiv				

QUININE

MAARSEN

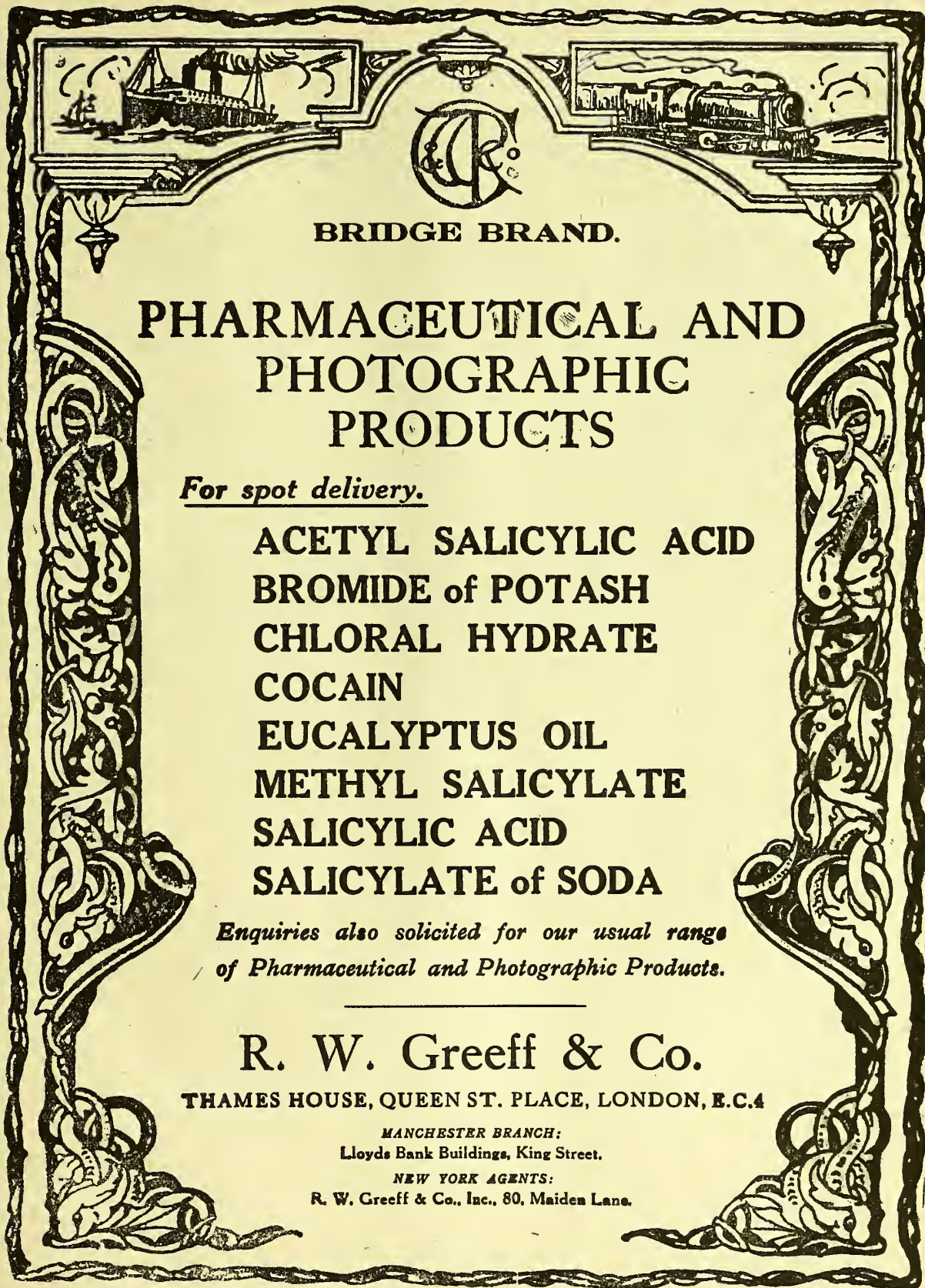
QUININE and QUININE SALTS.

Unexcelled in Uniformity of Quality,
Brilliant Crystallisation and Purity of Colour.

**CINCHONINE, CINCHONIDINE, QUINIDINE,
and their SALTS.**

MANUFACTURED BY
NEDERLANDSCHE KININEFABRIEK, MAARSEN, HOLLAND

AGENTS.— R. W. Greeff and Company,
Thames House, Queen Street Place,
LONDON, E.C.4.



BRIDGE BRAND.

**PHARMACEUTICAL AND
PHOTOGRAPHIC
PRODUCTS**

For spot delivery.

**ACETYL SALICYLIC ACID
BROMIDE of POTASH
CHLORAL HYDRATE
COCAIN
EUCALYPTUS OIL
METHYL SALICYLATE
SALICYLIC ACID
SALICYLATE of SODA**

*Enquiries also solicited for our usual range
of Pharmaceutical and Photographic Products.*

R. W. Greeff & Co.
THAMES HOUSE, QUEEN ST. PLACE, LONDON, E.C.4

MANCHESTER BRANCH:
Lloyds Bank Buildings, King Street.

NEW YORK AGENTS:
R. W. Greeff & Co., Inc., 80, Maiden Lane.

“Capitalise” your turnover and make it pay you a “DIVI.”

Whose capital are you working with?
Your own, of course!

Whoever gets the money you pay
away month by month makes a
profit upon it—naturally—that’s
“only business.”

Quite so, but do you realise that part
of that profit can be returned to you.
This is *better* business, isn’t it?

You can do this by becoming a
manufacturer—by proxy, through
Ucal.

Ucal members receive a bonus upon
turnover with Ucal which is a
division of the nett manufacturing
profits of their pooled business, or
mass-production.

You *ought* to be interested—are you?

**“Every Pharmacist his
own Manufacturer.”**

*Only Possible “By Proxy”
Nowadays.*

In the first place, you have
little time to spare for such
work—and in the second, the
quantities you can use are not
large enough for economical
methods of production.

In other instances you have
not the plant which is neces-
sary to secure perfect results
—with ointments, pills,
tablets, or capsules, for
example.

So you have to buy a consider-
able amount of manufactured
goods—but you need not be
taxed to pay profits to a private
manufacturer.

By joining “Ucal” you be-
come your own manufacturer.
You buy goods at ordinary
market prices, often some-
thing less, grade for grade,
and then the ultimate profit
comes back to you in the form
of dividend on your turnover.

“Ucal” Members collectively
use sufficient to keep their
factory going—by pooling
their business they keep the
plant running at a profit.

You can share that profit by
joining “Ucal.” Don’t you
want to?

You are not asked to buy any-
thing from “Ucal” which you
may be able to buy better or
cheaper elsewhere.

Ucal, Cheltenham.

Important Announcement.

We beg to advise the Trade that
from Tuesday, 17th JUNE, 1919

THE RETAIL PRICE

of

WRIGHT'S
Coal Tar Soap

is

6 $\frac{1}{2}$ ^{d.}

per tablet

WRIGHT, LAYMAN & UMNEY, LTD.,
SOUTHWARK, LONDON, S.E.

SAVE 3/- PER GALLON BY BUYING GUARANTEED GENUINE NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL OF NEW SEASON'S MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB LIVERPOOL."

Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F.

Established 1780.

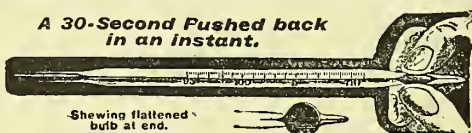
ZEAL'S REGISTERED Clinical Thermometer The "REPELLO"

Requires no shaking down.

Guaranteed Accurate.

Good
Selling
Lines for
Chemists

*A 30-Second Pushed back
in an instant.*

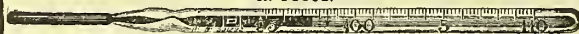


Showing flattened
bulb at end.

NEW IMPROVED LENS FINDER

The only Easy Reading Magnifying
Clinical Thermometer on the Market.

IN FOCUS.



OUT OF FOCUS.

The square mark engraved on lens front
locates the Mercury column immediately.

SPECIAL AWARD AND GOLD MEDAL, NEW ZEALAND, 1907.
SILVER MEDAL, INDIA, 1909. SILVER MEDAL, LONDON, 1913.

G. H. ZEAL, 82 Turnmill St., LONDON, E.C.

Wholesale Manufacturer of

CLINICAL THERMOMETERS.

CONTRACTOR TO H.M. GOVERNMENT.

Established 1888.

Telephone No.: 12438 Central.

TO CREATE TRADE

stock lines that recommend themselves.

Trade Mark

Quencholeen LEMONADE

QUENCHES THIRST.



A new Sparkling Drink with
a delicious flavour of fresh
Messina Lemons



Quencholeen requires no sugar.

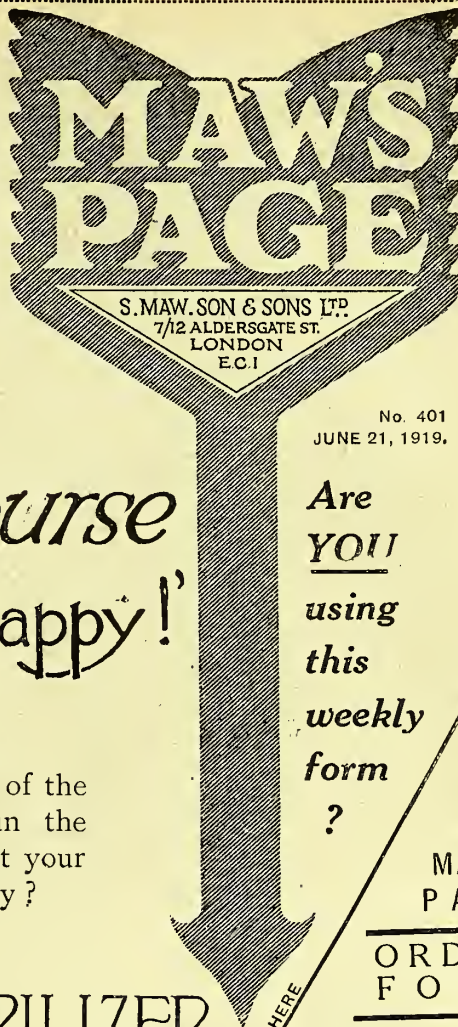
Quencholeen will bring you customers and add
to your reputation.

Quencholeen pleases everybody and retails at 1½d.
per pkt., or in cartons of 13 pkts. for 1/6.

Trade Terms.

13/- per doz. cartons, 5 doz. lots, 12/- per doz.
net, together with showcards and windows bills
complete, cash with order. Carriage Paid.

The Violiv Manufacturing Co.,
26 Haymarket Terrace, Edinburgh.



Of course
I'm happy!

The above is an illustration from the cover of the all-about-the-Eugenic-Sterilizer book now in the press. It will interest you. It will interest your customers. May we reserve you a supply?

MAW'S 'EUGENIC' MILK STERILIZER

MADE IN TWO
SIZES: SIX
BOTTLES, COM-
PLETE WITH
CRUET AND
SAUCEPAN, AND
FULL DIREC-
TIONS, 18/- EACH.
TEN BOTTLES,
26/- EACH.

is proving its value every day in many homes and public institutions throughout the British Isles and the Colonies. *Your customers do not buy an untried appliance when they purchase a "Eugenic."* The medical profession endorses the sterilization of milk. It is the recognised protection against impurities and the consequent dissemination of disease. And the sterilization of milk is accomplished quickly, easily, and cheaply with the "Eugenic."

People are awakening to the dangers of impure milk. In every important town baby welfare centres are established. This education of the masses cannot but have one effect on the Eugenic Sterilizer: *Increased Sales.* Use this order form and give this medically-endorsed line a trial.

No. 401
JUNE 21, 1919.

Are
YOU
using
this
weekly
form
?

No. 401

MAW'S
PAGE

ORDER
FORM

To Messrs.
S. MAW, SON & SONS, LTD.
Dept. 2, 7/12 ALDERSGATE
ST., LONDON, E.C.1.

Please forward the follow-
ing goods as listed in MAW'S
PAGE dated June 21.

ITEMS	QUANTITY	PLEASE LEAVE BLANK
"Eugenic" Sterilizers		
6 Bottles 18/- each	
10 " 26/- "	
Please reserve supply of booklets:		
"Of course I'm happy," when ready.		

NAME AND
ADDRESS:

CUT HERE →

DATE.....CONVEYANCE.....

VIROL, LIMITED

Record Sales and Profits

PRESIDING at the Annual Meeting of Virol, Ltd., Mr. B. S. Straus (Chairman), in moving the adoption of the Report and Accounts, said that the history of their business had been one of steady and constant development since the formation of the Company. Though the restrictions on the supply of raw materials during the war had prevented their taking the fullest advantage of the unique position Virol holds as a National Food, it was satisfactory to note that the business had shown the same consistent development as in pre-war years. For the period under review the sales, whether considered from the point of view of money value or volume of business, exceeded all previous records. The gross revenue for the past year amounted to £114,088, as against £96,818 for the previous year—the net profits, after deducting debenture interest, being £53,129, as compared with £38,272 for the preceding 12 months. The Directors recommend the payment of a dividend of 15%, as against 12½% for the past six years, the placing of £15,000 to reserve, bringing that account up to £55,000, and carrying forward, subject to Excess Profits Duty, £28,528. They had also paid off during the year their entire debenture debt, amounting to £20,000. Though the costs of raw material, of packing, of distributing, and, in fact, of every item in connection with the business had advanced enormously during the war, the increase in the price of Virol to the public during the war averaged less than 12%—an increase which did not cover one-half of the extra cost of the two items of manufacture and distribution alone. This meant that the public derived the full benefit of the very much larger trade which had been done on a lower percentage of profits than that which obtained in pre-war days. This non-profiteering policy of the Company had led to a continual increase in the demand for Virol—a demand that had taxed to the utmost the present manufacturing arrangements and necessitated the provision of increased facilities for dealing with the ever-growing business of the Company. The Directors, therefore, had pleasure in announcing that they had secured a suitable property at Park Royal, comprising 13 acres of freehold land, together with extensive buildings already installed with modern plant and machinery.

NEW FACTORY ACQUIRED.

These premises were most conveniently situated in regard to transport, both by railway and canal. Though the situation was a rural one, and from an hygienic point of view, excellently suited for the manufacture of an infants' food, the district was well served with labour. With certain extensions, which they proposed making as early as possible, these premises would form an admirable home for the Company's future activities, and provide ample accommodation for all developments. These important arrangements entailed the provision of additional working capital. They would, therefore, submit for the approval of the Shareholders at a subsequent Extraordinary General Meeting a proposal to increase the capital of the Company to £200,000 by the creation of 125,000 7% Cumulative Preference Shares of £1 each. As they were aware, the Directors had also offered at par 10,567 of the unissued Ordinary £1 Shares to the existing Shareholders in the proportion of one new Share for every six Shares held by them. There was no quotation on the Stock Exchange for these Shares as Virol Shareholders did not show much inclination to part with their holdings. The few transactions, however, that had taken place during the year had been between 40s. and 50s. It was not surprising, therefore, that the Shareholders had shown their appreciation of this offer by the prompt acceptance of its terms. It was gratifying to find that an increasing number of Medical men, Hospitals, and other Corporations were now availing themselves of the facilities afforded by the Virol Research Laboratories for Pathological work. This, and the further fact that several large provincial towns were using the laboratories for their public-health work, afforded the best possible evidence of the confidence so generally placed in the work of our Medical Staff. In conclusion, he wished to emphasise the fact that their first consideration had been to keep the business free from any suspicion of profiteering, and, though the increased profits were not in proportion to the great expansion of the business, they rested on the far broader and surer basis of a turnover that was considerably more than double that of the pre-war year. Any reduction in the present prevailing high costs should, therefore, still further improve the prospects of the business.

Mr. A. E. Cannoy, Managing Director, in seconding the resolution, said that the trade of the Company had now reached the stage when the arrangements made at its formation were quite inadequate for the needs of the business. He believed the proposals of the Board would open up for them an era of still greater prosperity, especially as the removal of restrictions to which all enterprises had been subjected during the war would enable them to carry out important schemes of developments both at home and abroad.

The report was unanimously adopted, and the resolution sanctioning the increase of the capital to £200,000 having been agreed to, the proceedings closed with votes of thanks to the Chairman, Managing Director, and staff.



TRADE MARK.

CARBOLIC

TOOTH POWDER

In Fine Decorated Tins, 1/4 per dozen.

OUR WELL-KNOWN BRAND

PERFECTUM TOOTH PASTE

Assorted Flavours, 5/- per dozen.

Packed in separate Cartons, or six in Showcase assorted.

INQUIRIES SOLICITED.

ARTHUR BERTON, LTD.

Manufacturers,

15-17 Worship Street, LONDON, E.C. 2

Telegrams— "Ayebelim. Finsquare, London." London Wall 507, City 998.

FOR SALE.

LARGE STOCK OF

Tooth & Nail Brushes

AT THE RIGHT PRICES.

Apply for Quotations and Samples. Wholesale Only.

F. LAVISTA & FREEMAN

Brush Manufacturers & Importers,

10 MOOR LANE, LONDON, E.C. 2.

And Forest Brush Works, Walthamstow, Essex.

Telephone: London Wall 1656.

Telegrams: "Spazzola. Barb. London."

Codes: A B C, 5th Edit.; Scott's Code;

Bentley's Complete Phrase Code.

To Packers of Proprietary Articles and Patent Foods.

Bottle Manufacturer would undertake orders for Small Wide-Mouth Bottles or Jars of the following description: Pale Green only; Screw-neck Pomades up to 6oz. size; Honey Jars, tie-over or screw-neck up to 8oz.; Potted Meat Jars to 4oz. size. Would also undertake to make any Special Bottle up to 8oz., if neck is not less than 1in. diameter. Buyers should be in a position to place orders for large quantities and take regular weekly deliveries. Write 155/12, Office of this Paper.

**Revised
Prices
May 1919.**

LUCE'S

ORIGINAL *Jersey*
Eau-de-Cologne
British and Best
P.A.T.A.

No.	Description	Minimum Retail	Dozen	No.	Description	Minimum Retail	Dozen
27.	1 oz. Round ...	2/-	18/-	20	20 oz. Barrel ...	32/6	288/-
30	2 oz. Flask ...	3/6	31/6	4 ^W	4 oz. Wicker ...	7/9	70/-
1	2 oz. Sexangle ...	3/6	31/6	8 ^W	8 oz. Wicker ...	15/-	135/-
3	4 oz. Square ...	6/6	58/6	16 ^W	16 oz. Wicker ...	27/6	240/-
5A	8 oz. Barrel ...	12/6	113/-				

Special Window Display Bonus shows 33 $\frac{1}{3}$ % Profit.

J. C. GAMBLE & CO., 46 Farringdon St., London, E.C.4.



"AVILLIA" OILS OF FLOWERS IN BULK

DIRECT IMPORT FROM FRANCE

Finest quality heavy mineral oil, perfumed by the maceration of flowers. The only method by which the most delicate fragrance of the flowers is not destroyed. A vastly superior product to the oils perfumed with essences and frequently offered as the genuine article.

**Odours : VIOLET, JASMIN, ROSE, ORANGE,
MUGUET, WALLFLOWERS, ETC.**

No. 12, 4/- per lb. No. 24, 6/- per lb. No. 36, 8/- per lb.

Packed in 1, 2, 5, 7, 14 & 28 lb. cans.

Owing to the prevalent shortage of bottles, many firms desire these oils packed ready for retail. To meet this demand I am offering an attractive line of 1 oz. glass-stoppered bottles (see illustration), in No. 24 quality oil, assorted perfumes, at 15/- per doz. Free delivery in United Kingdom.

MINIMUM RETAIL PRICE, 2/6 per bottle.

Address : G. W. RUFF, London Manager,

"AVILLIA PERFUMERY" 95 & 97 Charlotte St.,
LONDON, W. 1

CROSFIELDS'

CHEMICALLY PURE GLYCERINE.

PYRAMID BRAND.



The finest Glycerine obtainable for medicinal purposes. Absolutely pure. Guaranteed to stand all the tests of the British Pharmacopœia.

IN 14#, 28# & 56# TINS. (WOODEN CASES.)
1, 2½, 5 & 10 CWT. DRUMS. (RETURNABLE)

JOSEPH CROSFIELD & SONS LTD - Chemical Manufrs. WARRINGTON.

Ladies' Vanity Cases

(Metal), with Puff & Mirror.

OXYDISED and GILT:

9/- 12/-

15/6 18/-

& 24/6 doz.

Very saleable during the holidays.

Bathing-Caps, Sponge Bags, Water-Wings & Xylonite Soap Cases.

THOS. SWALES

Druggists' Sundryman,
24 BUTTS COURT, & 89 ALBION STREET,
LEEDS.

Just Arrived.

A Limited Consignment of
THE

"PORTIA"

(Regd.)

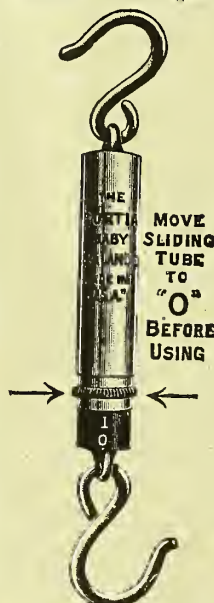
NET WEIGHT

Baby Balance

Weighs up to 15 lb.

Price	Retail
30/-	3/6
dozen.	each.

Owing to restricted imports this line has been off the market for some time, and we think that many friends will be glad of the opportunity of renewing their stock.



SOLPORT BROS., Ltd.

184 to 190 Goswell Rd., London, E.C.1.

Obtainable through all Wholesale Houses.

Junket and Fruit!



The ideal hot-day Sweet
is Junket and Fruit.

All the ingredients of the dish are available
this year, and the demand for Junket
Tablets can be quickened by a judiciously
placed Showcard.

Junket or Rennet Tablets

16 in a tube ... per dozen, **6/2**; per gross, **71/-**

12 TUBES ARE PACKED IN A NEAT SHOW-OUTER, AND
SHOWCARDS ARE AS USUAL FREELY AT YOUR SERVICE.

Aspirin Tablets

Perfect Aspirin in a Perfect Tablet. 8 Styles.

Per dozen ... 25's, **4/8**; 50's, **8/-**; 100's, **14/2**

Cascara Tablets, gr. 2.

Active Cascara with a smooth and polished
coating. 8 Styles.

Per dozen ... 25's, **3/1**; 50's, **5/5**; 100's, **9/3**

Soda Mints

Strong in English Oil. 8 Styles.

Per dozen ... 25's, **2/10**; 50's, **3/11**; 100's, **5/8**

Discount.

Ayrton's Tablets
are subject to a discount
of **2½%** if paid on or before
the 15th of the following
month.

Put your rubber stamp
on this page and use it
as an Order Form!

AYRTON, SAUNDERS & CO. LTD.
LIVERPOOL



1 Kilo. 500 grs. 250 grs. 250 grs. 100 grs.

"PREMO" Essences and Essential Oils.

The superior qualities of the "Premo" Essences and Essential Oils are due to long years of study and patient experiment by a famous French Perfume Compounder and Distiller. They are specially distilled for the manufacture of Toilet Preparations, and the secret of their great popularity is the fact that they are extremely effective while simple and easy to use.

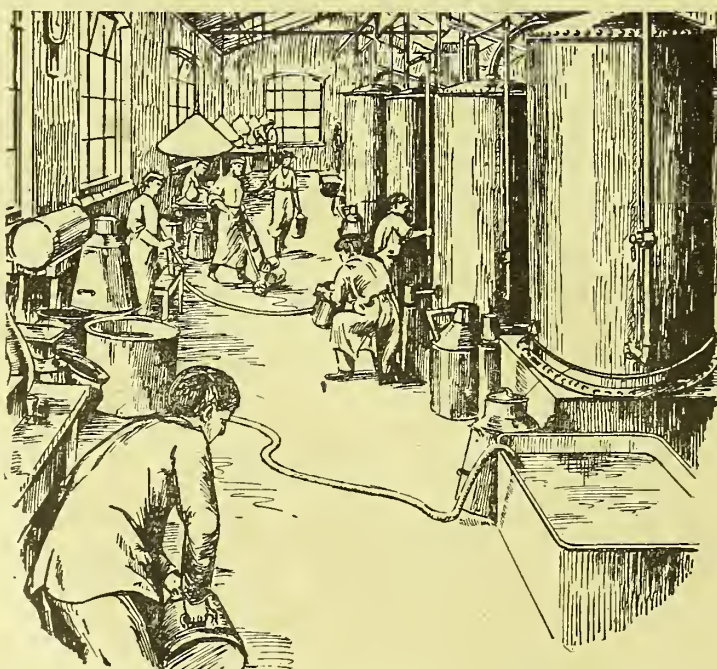
If you have not yet used the "Premo" Essences you should try them without delay. They save both time and money and make the manufacture of Toilet Preparations, etc., a genuine pleasure.

Nos. 2,000, 3,000 and 4,000 "Premo" Essences 10/6 per 100 grams. (equal 3½ ounces). £5 per 1 kilo (equal to 36 ounces).

No. 5,000 ditto, 25/- per 100 grams.

No. 7,000 ditto, from 45/- per 100 grams.

Special Quotations for Large Quantities.

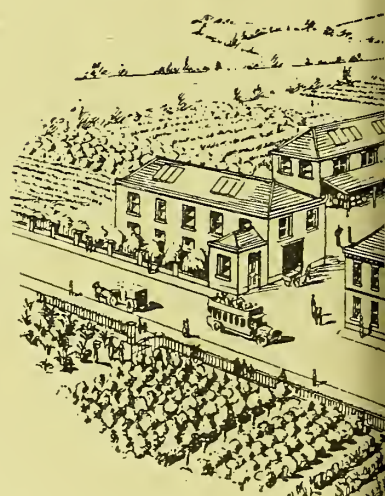


Well-Distilled and Compounded Essences and Essential Oils make

"PREMO" Essences and

*The
Simplest and
Quickest
means of
making up*

RECIPES SUPPLIED FREE



Every Chemist who desires to adopt the easy method of making up Waters, Hair Washes, Lotions, Brilliantines, etc., should use "PREMO" Essences and Essential Oils. Of strength, quality and odour they are second to none. They are the natural flower. They are simple to make up with the "PREMO" Essences. "PREMO" Essences and Essential Oils are the most economical on the market, and a price which cannot be beaten. *ALL bona-fide trade inquiries for Catalogue.*

The PREMO Concentrated

63 HIGH HOLBORN

"SIMPLE AND EASY"

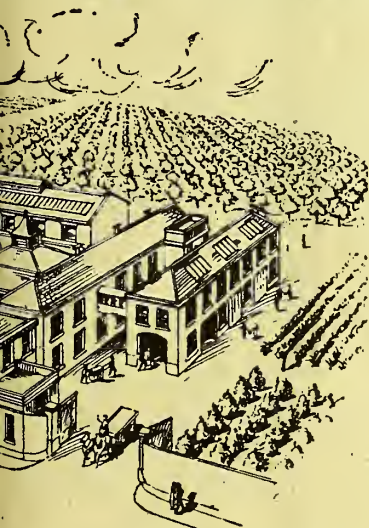
PREMO[®]

Essential Oils



*all kinds of
Toilet
Preparations,
Perfumes,
etc.*

ON ORDER IF REQUIRED.



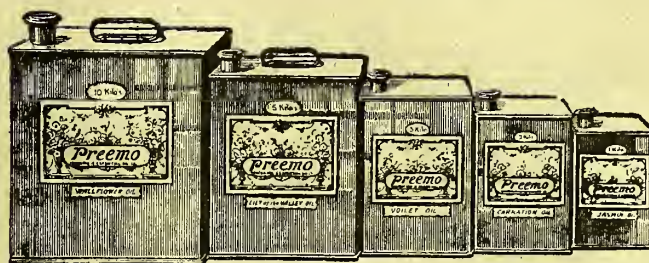
most profitable way of making up Toilet
s, etc., should use the "Premo" Essences
a world-wide reputation, and in matters
ne. Every essence has the true odour of
allion of any Toilet Preparation can be
few minutes.

without question the most successful and
to the busy Chemist.

bles, etc., are promptly responded to.

and Essential Oil Co.

LONDON, W.C.1.



10 Kilos. 5 Kilos. 3 Kilos. 2 Kilos. 1 Kilo.

"PREMO" Floral Oils.

"Premo" Floral Oils, like "Premo" Essential Oils, are absolutely without equal. They are made in the same works, and within a very short time they have achieved a reputation second to none. Each perfume has the true odour of the natural flower. A few drops used on one's hair gives the same delightful result as sprinkling the finest perfume on one's clothes.

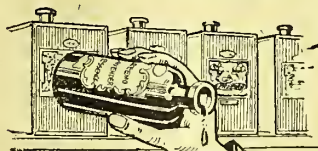
"Premo" Floral Oils find a ready and profitable sale when put up in small bottles. They give great satisfaction which is the best of all Advertisements.

Supplied in three qualities, viz. :—

1st Quality	...	...	...	15/-	per Kilo.
2nd Quality	...	...	...	10/6	"
3rd Quality	...	...	...	7/6	"

(1 Kilo equals 36 fluid ounces).

Special Quotations for Large Quantities.



the Manufacture of Toilet Preparations,
etc., Simple and Easy.

The Holoyd Page

THE BIG THREE

Here's your opportunity to turn in big profits on these three certain sellers. They are all produced to satisfy the needs of your customers in Summer-time, and we will *help* you sell them with attractive posters and showcards.

Holoyd Lemonade Powders

(No Sugar required.)

1½d. Packets	...	...	...	13/-	per gross.
2½d. "	...	...	...	22/6	" "
4½d. "	...	...	...	40/-	" "
5 gross lots less 5%				10 gross lots less 10%	

Holoyd Lemonade Tablets

(No Sugar required.)

7 tablets in glass tube, each tablet sufficient for one glass of delicious lemonade. Retail 6½d. per tube.
4/6 per doz. 6 doz. at 4/3. 12 doz. at 4/-

"Facena."

(A Vanishing Face Cream which really vanishes.)

Packed in 1-oz. screw-cap glass jars. Attractively labelled. Minimum retail, 9d.
5/- per doz. 6 doz. at 4/3. 12 doz. at 4/-

H. O. LLOYD,
The Holoyd Laboratories,
Green Lane, Small Heath,
BIRMINGHAM.

London Depot :
3 Finsbury Square, E. C. 2

IT IS GOOD BUSINESS TO SHOW

POUDRE IMPERIA COMPACTE

Suggest
to your
DARK
customers
RACHEL
and
ROUGE
BRUNETTE
for
attractive
results.



Recommend
your FAIR
customers
to buy
ROUGE
BRUNETTE
and
NATURELLE
the two
combined
produce
most artistic
effects.

FACSIMILE OF SHOWCARD—
ONE OF OUR SELLING HELPS.

P.160/1	6/6 per doz.	...	Retails 1/-
P.160/2, with Mirror,	7/6 per doz.	...	" 1/3

THE EMPIRE PERFUMERY CO.

(Cuxson, Gerrard & Co. Ltd., Proprietors)

OLDBURY, ENG.

EXPORT AND COLONIAL INQUIRIES INVITED.

PURE SPANISH ESSENTIAL OILS

(LONABARC BRAND).

ROSEMARY

LAVENDER

GERANIUM

PENNYROYAL

THYME (RED & WHITE)

SAGE

FENNEL (SWEET & BITTER)

ORANGE

LEMON

THYMOL

ACONITE ROOT

GENTIAN ROOT

LAVENDER FLOWERS

QUINCE SEEDS

Write for samples and prices to LONABARC TRADING CO., LTD., 60 FORE ST., E.C. 2

"Lanzone" Lanolin

The Odourless Adeps Lanæ, B.P. Manufactured by
THE LONDON PHARMACEUTICAL REFINERS, LIMITED,
Martin's Yard, Endwell Road - LONDON, S.E. 4.

In a leading article in the "Medical Press" of June 26, 1918, occurs the following:—

"I hope that the same effort will be made to abolish Hun drugs as to get rid of Hun dyes. In one direction I am glad to find that this is being seriously attempted. One of the most important bases for ointments is lanoline. Now the English lanoline which is made by the London Pharmaceutical Refiners, Limited, of Brockley, has the merit of being superior to the old German lanoline. The B.P. allowance of fatty acids is 7, whereas this new English lanoline shows only 27. The new preparation is quite odourless, and acid fats do not develop in it by keeping. These are great merits, and show the extreme care with which the refining process has been carried out by the British refiners."

Samples and Quotations from the Selling Agents:

THE PRODUCE BROKERS' COMPANY, LIMITED, 24 St. Mary Axe, LONDON, E.C. 3.

REPUTATION COUNTS.



"Camilatone" Camomile Tonic SHAMPOOS

are the most popular hair beautifying preparations on the market.

PROFITABLE LINES.

Once sold, always asked for.

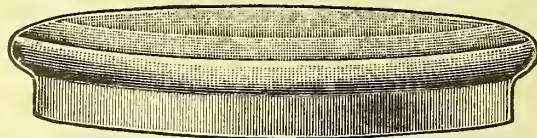
1/- line, for brightening only,	7/- per doz.
5/6 " " " "	42/- "
2/- " " for warmer shades	14/- "
5/6 " " " "	42/- "
1/6 " " for the Nursery	10/- "

5 packets in box.

Supplied direct by

The CAMOMILE TONIC Co.

16 Lichfield Rd., Cricklewood, N.W. 2



CELLULOID CAPS

for Pots and Bottles.

F. W. DUROSE,

45 Queen Street, SMETHWICK, BIRMINGHAM.

Telegrams: "Durose Smethwick."

LABELS for Perfumery of all kinds

SAMPLES SENT ON REQUEST.

LARGE SELECTION OF STOCK DESIGNS.

DOUIN & JOUNEAU, French Lithographers, 3 rue Papin, PARIS.



SPECIAL WINDOW-SHOW OFFER

YOU purchase an assorted parcel of Ven-Yusa Cream Soap, and Shampoo Powders value	£2 10 0
WE allow you for Showing Cards	0 5 9
Net Credit Terms	£2 4 3
IF CASH ENCLOSED deduct 2½ per cent. ...	0 1 3
Net amount to send	<u>£2 3 0</u>

YOUR PROFIT on the Investment will be 50%

Larger Orders are accepted on pro-rata terms, 2½ % extra allowed
on orders of 12 times above quantities, if cash with order.

MINIMUM PRICES FACE VALUE.

ORDER FORM.

To Messrs. C. E. FULFORD, LTD., Carlton Hill, LEEDS.

Dear Sirs,

Date

Please supply on Window-Show Terms—

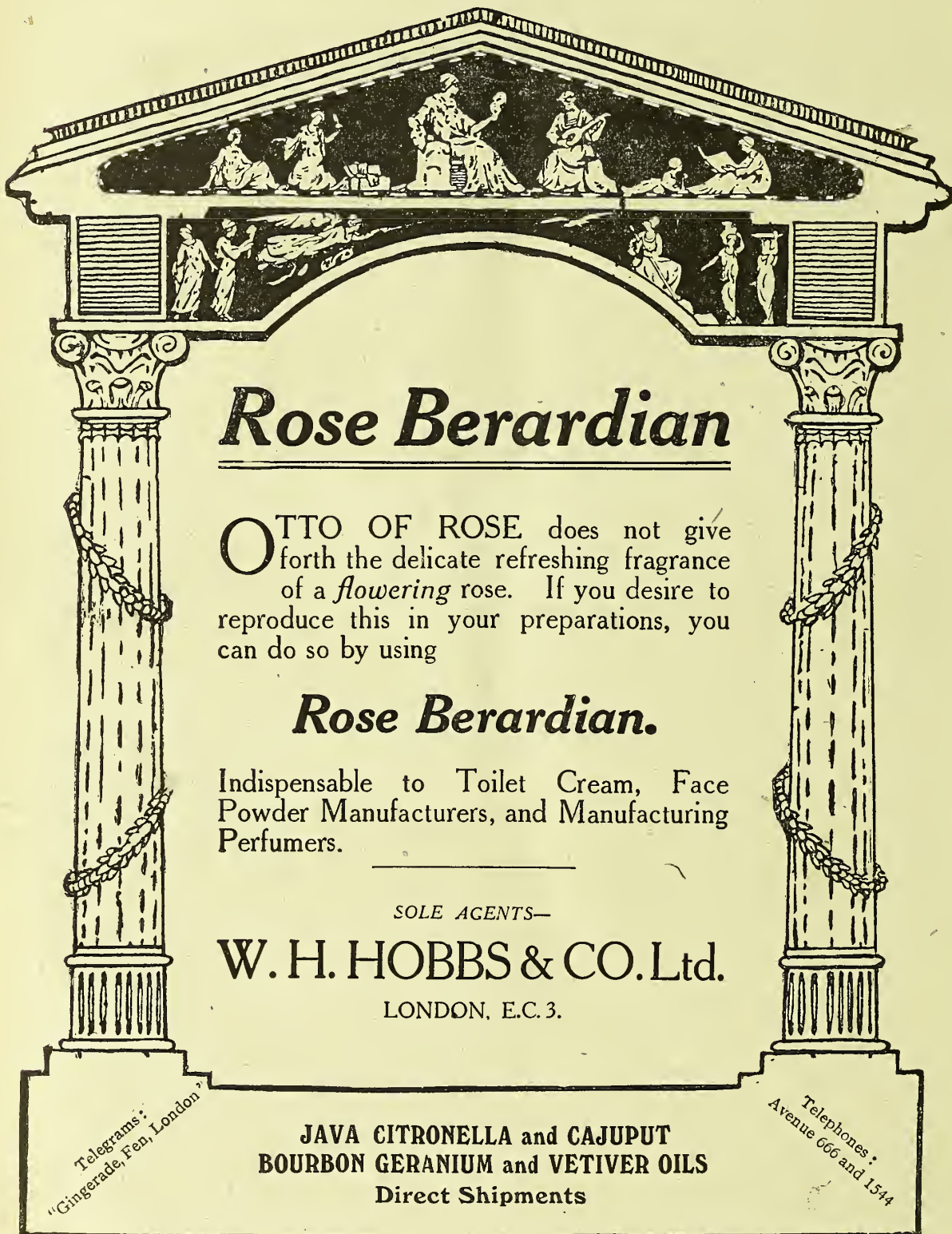
			£	s.	d.
.....Gross.....Doz. 1/- size Ven-Yusa Cream	...	@ 9/3 doz.			
.....Gross.....Doz. 6d. ,, ,, Soap	...	@ 4/6 ,,			
.....Gross.....Doz. 1/6 ,, ,, Shampoo Powders 13/6 ,,		(7 3d. Shampoos in packet)			
.....Gross.....Doz. 3d. packets ,, Shampoo Powders, 22/- gross		(6 doz. Cartons only)			

Remittance enclosed £ : : £

Name and Address

MINIMUM PRICES FACE VALUE.

Note.—If Cash does not accompany order, references should be
given for New A/cs. **Credit Terms are Strictly Net, 30 days.**



Rose Berardian

OTTO OF ROSE does not give forth the delicate refreshing fragrance of a *flowering* rose. If you desire to reproduce this in your preparations, you can do so by using

Rose Berardian.

Indispensable to Toilet Cream, Face Powder Manufacturers, and Manufacturing Perfumers.

SOLE AGENTS—

W. H. HOBBS & CO. Ltd.

LONDON, E.C. 3.

Telegram: "Gingerade, Fen, London"

Java Citronella and CAJUPUT
BOURBON GERANIUM and VETIVER OILS
Direct Shipments

Telephones: Avenue 666 and 1544

**A DAINTY BRITISH PERFUME
OF GREAT FRAGRANCE.**

POTTER & MOORE'S MITCHAM LAVENDER WATER

Established - 1749.

**PRICES PROTECTED
UNDER THE P.A.T.A.**

Sole Proprietors:—

W. J. BUSH & CO., Ltd.

Ash Grove, Hackney, London, N.E.

DISTILLERY ————— MITCHAM, SURREY.

OWING to the cost of Raw Materials having advanced very considerably, we are compelled to increase the prices of

"Peerless" & "Elite" ERASMIC SOAPS

The retail price is now
6½d. per tablet. **1/7½** per box.

"ERASMIC," Perfumers, WARRINGTON

"Jackel's Cream"

(without Grease)
for THE HAIR
Sold everywhere

Established 1883.



CRYSTALLISED
1/6 CREAM 2/6
Trade Mark attached to each
bottle.

"Jackel's Cream"
fixes the hair in any desired position; is unexcelled as a dressing and does not soil the headware. It removes Scurf and Dandruff, keeps the scalp healthy, and promotes the natural growth of the hair while maintaining its softness and brilliancy.

Prices for Wholesale and Export
Houses on application.

Jackel et Cie (of Paris)
Ltd.
Sauchiehall Street
GLASGOW

SALES
BEAT ALL RECORDS.

INDIAN PERFUME BRICK

KEEPS AWAY MOTH.
LASTING & FRAGRANT.



FOR LINEN CUPBOARD AND WARDROBE.
Retail Price, 6d.

Of the Makers:
ALBERT WILLIS & ARTHUR, Ltd.
6 Mortimer St., London, W.
AND ALL WHOLESALERS.

Royal Vinolia

REQUISITES.



ALL BRITISH

Royal Vinolia Tooth Paste.

THE Tooth Paste which, by its distinctive efficacy, has won the approval of an ever-growing clientele.

To offer it to discriminating customers whose standard of quality is exacting is to ensure a steady trade, productive of highest satisfaction to the chemist and his patrons.

Royal Vinolia Tooth Paste is purifying and antiseptic. It keeps the teeth sound and beautiful; gives exquisite freshness to the mouth and sweetness to the breath.

IN TUBES, 7½D. & 1/3.

Royal Vinolia Shaving Stick.

A Shaving Stick specially suited to the use of the man who *will* have the best—a stick that can be recommended with every confidence by the Chemist for first trial, and which after first trial recommends itself and brings back buyers regularly.

Rich in creamy lather, quick in action, helpful in preserving a keen edge on the razor and soothing to the skin.

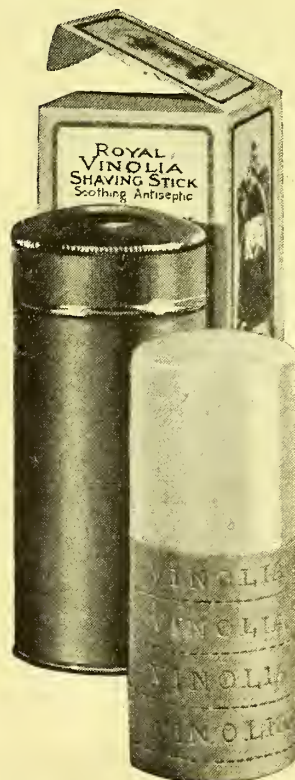
Royal Vinolia Shaving Stick is the friend of shaving men of all ages and all types of beard.

1/- PER STICK.

IN SPECIAL METAL CASE, 1/4.

VINOLIA COMPANY LIMITED LONDON—PARIS.

R.V. 357—B



DODGE & OLCOTT CO.,20 MARK LANE,
LONDON, E.C.**THE "D & O" BRAND***is the "Standard of Quality" for*OILS of BAY, CEDARWOOD, PATCHOULI, PEPPERMINT,
SASSAFRAS, ETC.

BALSAMS of Copaiba, Peru, Tolu.

TONKA BEANS, Angosturas.

Phone:
CITY 2468.

Telegrams: "EGDARF, FEN, LONDON."

PURE ORANGE WINE

A. MILLAR & CO., LTD., DUBLIN

(VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only)
London Agent: JAMES STIRTON, 43 GREAT TOWER STREET, E.C.3.Natural Essence
of Peppermint.**DELECTA**Twice Rectified.
French Manufacture.

The best for Confectionery and for makers of Dentifrices, Peppermint Essence, &c.

M. GILBERT, VINCENNES (SEINE).*Selling Agent for the entire World.*

Lescol Perfumery

NOTICE.

New and attractive lines will be brought out shortly, and an illustrated catalogue sent out. In the meantime we will send on application a supplementary list of lines in stock, popular in price and advantageous in sale.

We can also offer to advantage Perfumery in Bulk in two qualities — Essential Oils of guaranteed purity; Floral Ottos for Cachous, &c.; Fruit and Soluble Essences, Chemicals, &c.

THE LONDON ESSENCE CO., Ltd.

(Proprietors of THE LESCOL PERFUMERY CO.)

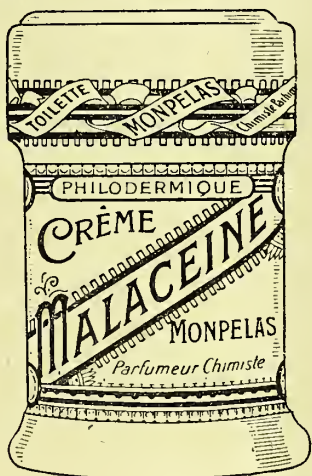
Lomond Grove, Camberwell, LONDON, S.E.5.

Telephone: 810 HOP.

Telegrams: "VANILLIN, CAMBER, LONDON."

CRÈME MALACEINE

MANUFACTURED BY
PARFUMERIE MONPELAS,
PARIS.



No. 62	63	64
Small	Medium	Large
15/-	30/-	50/- doz.

*An Extensive Advertising
Campaign in all the
principal Society Journals
is now proceeding.*

Write for SPECIAL TERMS and
particulars of other MALACEINE
PRODUCTS to the Sole Wholesale
Agents for Great Britain and Ireland:

WILLIAM TOOGOOD, LTD.
77 Southwark Street,
LONDON, S.E. 1.

ZENOBIA

LIMITED

beg to announce the following
alterations to the Retail Prices
of their

**SWEET PEA BLOSSOM,
NIGHT-SCENTED STOCK,**
&c. &c.

Old Prices	-/5	2/3	3/6	5/-	7/-	15/-	30/-
New Prices	-/6	2/6	4/-	5/9	8/3	17/6	35/-

EAU DE COLOGNE.

Old Prices	1/3	2/6	4/6	7/9	8/6	14/6	27/6
New Prices	1/6	3/6	6/6	11/-	12/6	21/-	40/-

N.B.—There has been no alteration to
the Wholesale or Retail Prices of

ZENOBIA Lily of the Valley.

A complete list of prices will be forwarded on application.

ZENOBIA Ltd.,
MANUFACTURING PERFUMERS,
LOUGHBOROUGH.

BRITISH ODOL

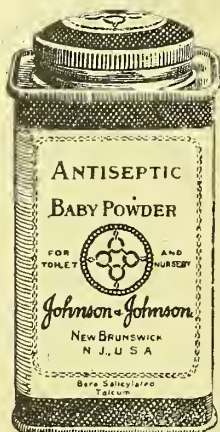
Send for Price
List and Trading
Terms.



C.V. & S. 12.

*Revised
Retail Prices.*
**Grand Double
Flask**
5/3
Full-size Bottle
3/-
Half-size Bottle
1/9

ODOL
Chemical Works,
BERKHAMSTED.



Look for the
Name and
Trade Mark.

ANTISEPTIC BABY POWDER

MANUFACTURED BY

Johnson & Johnson.

We wish to warn our Customers, so that they may be on their guard, that our package is being imitated. This step, which is so easy, is an undignified and shabby attempt to rob us of our goodwill.

WARNING.

The contents cannot be imitated, and the Trade Mark cannot be imitated; and we would ask those Customers who have handled this preparation for a quarter of a century, with every satisfaction to themselves and to their clients, to resent this method of copying other firms' productions by insisting on having the original package bearing the registered Trade Mark, which is the guarantee of quality.

JOHN TIMPSON & CO., Ltd.,
104 Golden Lane,
LONDON, E.C.

D.D.D. Prescription

FOR ALL SKIN & SCALP DISEASES

A well-advertised, high-grade preparation, enjoying a steadily increasing sale. On the P.A.T.A. protected list, giving the retailer a profit of about 25%.

TRADE PRICES.

D.D.D. Prescription 2/9 bottle, M.R.P. Face Value,	per doz.
" " 5/- " " " "	@ 25/6
" " " " " "	47/-

In two strengths—Ordinary and Strong.

D.D.D. Soap ... 1/- tab. M.R.P. Face Value,	per doz.
" Shaving Soap ... 1/6 stick " " "	@ 8/3
" Vanishing Cream 2/6 jar " " "	13/6
" Shampoo Powders 2/6 box " " "	22/6

Carriage paid to any part of the United Kingdom.

Showcards, &c., Supplied Free.

D.D.D. Co., Ltd.
3, 5, 7 Fleet Lane, Ludgate Circus, London, E.C.4

"Strodonia" VANISHING CREAM

For displaying a small showcard, we make the following offer on INITIAL DIRECT ORDERS (One parcel only):—

1 dozen 7½d. selling for	11 3
" " 1/- " "	9 0

For 10/- cash with order, carriage paid. 20 3
7½d. and 1/- " " 5/6 and 9/- per dozen.

From London Wholesalers.
Direct Orders value £5 subject to 10% discount and
1 doz. 1/- size bonus for window display, showing
38% on Turnover.

STRODE COSH & PENFOLD, Manufacturing Chemists, BRISTOL.
LOWER UNION ST.

Hindes' HAIR TINT

For GREY OR FADED HAIR.

Regd. Title - "SEEGEROL."

HINDES, Ltd., 1 Tabernacle St., City, London, E.C. 2
Patentees & Manufacturers of the World-famous
Hindes' Wavers.

PAPIER POUDRE

AND "POPPŒA" PREPARATIONS.

TRADE

MARKS

**BRITISH MADE
GOODS**



"LEHCARESOR."

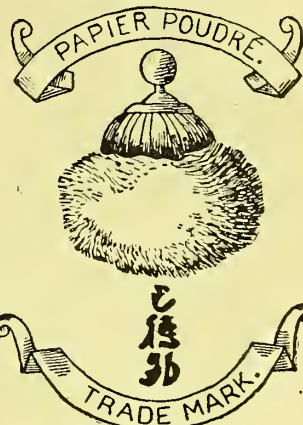
Papier Poudre

Our Sunburn Tint
For Landworkers
and
Seaside Visitors.

Booklets - - - 8d. & 1/4
5/- & 10/- per doz. net.

Beware of Spurious Imitations.

REGISTERED



PAPIER POUDRÉ, LTD.
20 Baker St., Portman Sq., London, W.
and in Paris.

NOTE OUR TRADE MARKS, AS ABOVE.

NEW PAPIER POUDRÉ PRICES.

In WHITE or RACHEL TINTS, 4d. & 6d. size Booklets @ 2/8 & 3/9 per doz. respectively.
In WHITE, ROSE, or RACHEL TINTS, 8d. & 1/4 size Booklets @ 5/- & 10/- per doz. "
SUNBURN TINT, 8d. and 1/4 sizes only, 5/- and 10/- per dozen net.
NEAT 1/4 MIRROR CASES, containing pads of PAPIER POUDRÉ, 10/- per doz. net.
REFILLS to these MIRROR CASES 2/8 "
1/4 SHAVING PADS (unscented, white only) 10/- "

THE ALL-BRITISH "POPPŒA" PREPARATIONS.

"Poppœa"

NEW PRICES.

ROUGE is most popular. It is put up in most convenient form, and is Nature's Understudy.

IN PADS, 8d. each.
5/- per doz. net.

IN MIRROR CASES, 1/4 each, 10/- per doz. net
Refills, 3/9 per doz. net.

"POPPŒA" MASSOLINE SKIN FOOD, in Jars, 1/2, 2/6 & 3/6 each; 9/6, 24/- & 28/- doz. net respectively
"POPPŒA" CIRCASSIAN CREAM " 1/2, 2/6 & 3/6 " 9/6, 24/- & 28/- "
"POPPŒA" CRÈME POUDRÉ, in Bottles, 1/2 & 3/6 each; 9/6 & 28/- doz. net respectively.

PAPIER POUDRÉ, Ltd., 20 BAKER STREET, LONDON, W.1.

Anthony Leighton

is a most profitable line, quite distinctive in "get-up," and above all, interferes with nothing you at present sell. *Every Sale is Additional Business.*

The BEST SHAMPOO FOR CHILDREN

is not only well and cleverly advertised, but sales are mounting rapidly, because it really does clean little heads in a nice way. Every careful mother purchases; you have only to show the card.



P.A.T.A. PROFIT 100% ON THE COST

SEE HOW IT PAYS YOU

A "sale-compelling" carton in colour with 6 dozen 6d. P.A.T.A. (two shampoos) packets, along with 1½ dozen Bonus and strong show material will be sent you, carriage paid, for 22/6—sells for 45/-.

You Get 22/6

Post the Coupon NOW to your Wholesaler, or Direct to

LEIGHTON

35 GRAY'S INN ROAD,

LONDON, W.C. 1

Telephone:
Holborn 825.

Cut this coupon.
Attach it to your business heading, or card, and post now to your wholesaler or direct to The Leighton Laboratories, 35 Gray's Inn Road, London, W.C. 1. Please send me carriage paid by return 6 doz. Shampoo and 1½ doz. free bonus.
C. & D., 21/6/19.

'KO-TAL-KO'

**CERTAIN IN RESULTS
and
CERTAIN IN SALES**

THE PUBLIC WANT IT

For strong advertising has taught them its merits, and practical experience has proven its claims. "KO-TAL-KO" is the strongest recommended hair preparation on the market, and this, in conjunction with my widespread publicity, is the best of all reasons why

YOU SHOULD STOCK IT.

Apart from quick and ready sales my trade prices allow of a fair profit to you. "KO-TAL-KO" is always on the move, never cumbers the shelves long, and is a business asset of the highest value for your repeat orders are always warranted.

IT PROFITS EVERYONE.

"KO-TAL-KO" does justice to me, to you and to the public, and every Chemist and Druggist should order a supply.

ORDERS AND DETAILS
FROM

J. Hart Brittain

(Dept. C.D. 2), Ltd

2 PERCY ST., LONDON, W.1.

RETAIL
PRICE
P.A.T.A.

5/- Size
12/6 ..

TRADE
PRICE

48/- per
doz.
112/6 ..

**OVER 100 % PROFIT
ENSURED & PROTECTED (P.A.T.A.)**
for sellers of

Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail.	Minimum wholesale.	
1/-	...	1/-	...
1/6	...	1/6	...
2/6	...	2/6	...
3/6	...	3/6	...
		7/6	per doz.
		9/-	less 5% discount.
		15/-	
		21/-	

SPECIAL BONUS

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).

Do. 6 doz. do. 8 bottles gratis.

Do. 12 doz. do. 18 bottles gratis.

Equivalent in the case of the size in most general demand, viz. 1/6 size, to 4/6, 12/- and 27/- respectively.

SOLE PROPRIETORS—

C. R. HARKER, STAGG & MORGAN,

DEVON WHARF,

Emmott Street, Mile End, London, E.1.

**LABORATORY
OF GENERAL PHARMACOLOGY,
8, Rue Vivienne, Paris.**

LONDON AGENTS:
WILCOX, JOZEAU & Co., 49, Haymarket, S. W.



**CHAPOTEAUT'S
CAPSULES of
PHOSPHOGLYCERATE
of LIME.**

**THE BEST TONIC FOR
FORTIFYING AND BUILDING UP
THE NERVOUS SYSTEM.**

Sold by all Chemists.
**Wholesale: 8, Rue Vivienne,
PARIS.**

MORRHUOL CHAPOTEAUT



CAPSULES

MORRHUOL DE CHAPOTEAUT
is extracted from cod-liver oil, and
contains all its efficacious prop-
erties without the disagreeable taste.

*It cures Coughs, Bronchitis and Catarrh,
restores the appetite, and gives force to
feeble persons.*

SOLD BY ALL DRUGGISTS.

**CHANDRON'S
DROPS**

(Gouttes des Colonies)

**A harmless antiseptic
preventative against CHOLERA-
FERMENTATION - INDIGESTION
and other intestinal disturbances.**

SOLD BY ALL CHEMISTS

*I find the odor exquisite and
add to Charron's for health
by the name. Very sincerely
Mary Garden*

**PARFUM
MARY
GARDEN
RIGAUD
PARFUMEUR
16, RUE DE LA PAIX,
PARIS.**

**LONDON AGENTS
HEPPELL & CO., 164, Piccadilly, W.**

BRUSHES

There is an increasing demand for SHAVING BRUSHES, and the two lines on offer (see, below) are worth a trial order.

NAIL BRUSHES.

Polished wood, curved back $4\frac{3}{4}'' \times 1\frac{5}{8}''$ fibre, 7 rows ... } assorted, equal quantities of each, per doz. 8/6
 „ hollow back, $4\frac{3}{4}'' \times 1\frac{5}{8}''$ bristle and fibre, 8 rows }

TOOTH BRUSHES.

Bone handles, 4 rows	...	...	...	...	Assortment	B	C	D
Celluloid „ „	...	...	...	...	per doz.	8/-	9/-	10/6
					„	9/6		

SHAVING BRUSHES.

Bone handles, hog hair	...	...	...	...	...	...	per doz.	16/-
„ imitation badger	...	...	...	...	...	...	„	21/-

HAIR BRUSHES.

Satinwood back, real whalebone, 5 rows	per doz.	33/-
--	-----	-----	-----	-----	-----	----------	------

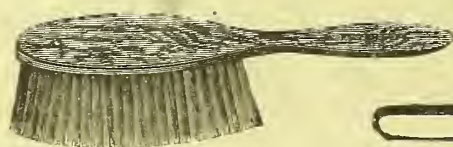
5% discount allowed for prompt cash off above prices.

OUR GOODS ARE RIGHT.

MONEY BACK IF NOT SATISFIED.

BURGE, WARREN & RIDGLEY, LTD.
 91 & 92 Great Saffron Hill, LONDON, E.C.1.

Titterton's Celebrated TOILET Brushware



TITTERTON & HOWARD, Brush Manufacturers, 8 & 10 Great Titchfield St., London, W. 1.
 FACTORY: ALBION WORKS, DALSTON LANE, E. 8.

WHOLESALE.

CONTRACTOR TO
THE WAR OFFICE.

EXPORT.



ACTUAL MANUFACTURER OF

CAMEL HAIR BRUSHES

FOR ALL ART AND MEDICAL PURPOSES.

Throat, Nose and Ear Brushes a Speciality.

PERCY P. BAKER,

Works: WALTHAMSTOW, ESSEX; and at ISLINGTON, N.

16 CARTHUSIAN STREET,
ALDERSGATE, LONDON, E.C.

TELEPHONE: CITY 362.

BIDWELLS' LTD.

RELIABLE TOOTH BRUSHES.

Gloria Silverdrawn,	18/-
Mitre - - -	14/-
Elephant - -	12/-
Anchor - - -	10/-

GROSS LOTS NAMED FREE. CARRIAGE PAID.

*We do not sell Japanese or French
Tooth Brushes but only our own make.*

A selected £10 parcel of Hair Brushes
from 30/- to 10/- per doz., carr. paid.

Made at our Factories, AXMINSTER, DEVON.

Manicure your Finger Nails with

Redio

TRADE MARK

Finger Nail Cloths.

They give a brilliant,
lasting polish without
pumice, dust, or grease.
Beautiful finger nails
give the finishing touch
to a cultured hand.

Of all Chemists,
Hairdressers, etc.

Prices:
6d. and 1/-



The REDIO CO.
specialises in impreg-
nated cloths.

Try the celebrated Redio
Metal Polishing Cloths.

REDIO CO., Ltd., 66 Fore St., London. E.C. 2.



FEATHEREDGE Rubber Sponges

LARGE STOCKS ARRIVING

THOROUGHLY
SANITARY
AND
DO NOT
HARDEN

□-

Very
**GOOD
PROFITS**

for the
Retailer

-□-

OBTAINABLE
OF ALL
DRUGGISTS'
SUNDRIES
HOUSES



Markt & Co., London,
—LTD.—

American Merchants,
SOLE IMPORTERS,
98-100 CLERKENWELL RD.,
LONDON, E.C.

Bay Rum, Rosemary & Cantharidine

ADMITTED TO BE
THE MOST EFFECTIVE FORMULA
THE MOST ATTRACTIVELY GOT-UP
THE BEST VALUE

8-oz. Bottles (Sprinkler Stoppers) 8/6 doz., 99/- gross, carriage paid.

Own Name and Address.

Showcards Supplied.

SPECIAL OFFER.

With every order for One Gross we will send FREE half a gross Shampoo Powders bearing your name and address.

SEND YOUR ORDER—NOW!

CARMOL LTD., Washington Street, BIRMINGHAM.

Telephone : Midland 1852.

“ John Bull ”



MALT EXTRACT

IS THE BEST!!!

RENOWNED FOR KEEPING QUALITIES

Wholesale & Export Only.

PAINE & CO., LTD., ST. NEOTS, HUNTS.



has all the advantages of
Cocaine—but none of its
admitted drawbacks.

Unlike Cocaine, Kerocain is practically non-toxic, cannot set up a drug habit, does not produce shock, cardiac or respiratory failure, nor
:: sloughing of the gums. ::

In Dentistry the long duration of
Kerocain anaesthesia reduces post-
operative pain to a minimum.

Samples of Kerocain Solution sufficient to make a
thorough test sent to any Dentist on application.

THOMAS KERFOOT & CO LTD,
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1767.

STOVAINE

THE LEAST TOXIC OF LOCAL ANÆSTHETICS
USED IN THE SAME WAY AND AS EFFICACIOUS AS COCAINE

Does not create a habit and does not give rise to headaches,
nausea, vertigo or syncope. :: :: *Literature on demand.*

NO HOME OFFICE LICENSE REQUIRED

Cheaper than Novocain and Benzocain and obtainable promptly
in practically unlimited quantities from the manufacturers:

LES ETABLISSEMENTS POULENC FRÈRES
— 92, RUE VIEILLE DU TEMPLE, PARIS. —

FOR INFANT FEEDING AND HOUSEHOLD USE

HOOKER'S DRIED MILK

(Full Cream)

Manufactured in Buckinghamshire under the most hygienic
conditions. Containing all the ingredients of rich cows' milk in
powder form. Well preserved and easily reconstituted.

In tins, retailing at **1/6**, **3/-** and **7/6** each.

PRICES AND TERMS FROM—

THEW, HOOKER & GILBEY, LTD.
Manufacturers of Milk Products, BUCKINGHAM.

POLAK & SCHWARZ LTD.

ESSENCES.

ESSENTIAL OILS.

AROMATIC CHEMICALS.

FLOWER OILS.

SYNTHETICS.

ZAANDAM. BOIS-COLOMBES

HOLLAND.

FRANCE.

Summertime!

THERE is magic in the word as well as in the scene which it conjures up. Ages have passed since the fateful summer of 1914; cut off so abruptly by the dread spectre of war. Since then summers have come and gone almost unrecognised. Today the pulses leap and the heart rejoices at the proximity of a real summer, and the parental determination to "take the family away" for the summer holiday is strong and not to be denied. The Pharmacist in seaside and country pleasure resorts is rightly anticipating a bumper season.

Midgley's **Sunburn Soap** is just the line to attract visitors to your Pharmacy. It relieves the painful sensation of Sunburn, and prevents the skin peeling.

Midgley's **Peroxide Soap and Cream** are "seasonable" lines which make a strong appeal, being got up in artistic wedgewood blue cartons. Both preparations are charged with an active percentage of peroxide, preventing and removing tan and freckles from the skin.

WINDOW DISPLAY OFFER.

For an order of £4 in value and over, which may be assorted, we will give 13 to the dozen, together with a good supply of coloured leaflets, "Vitalising the Skin," and showcards, and cash allowance for window display of 5/-.

USE THIS FORM.

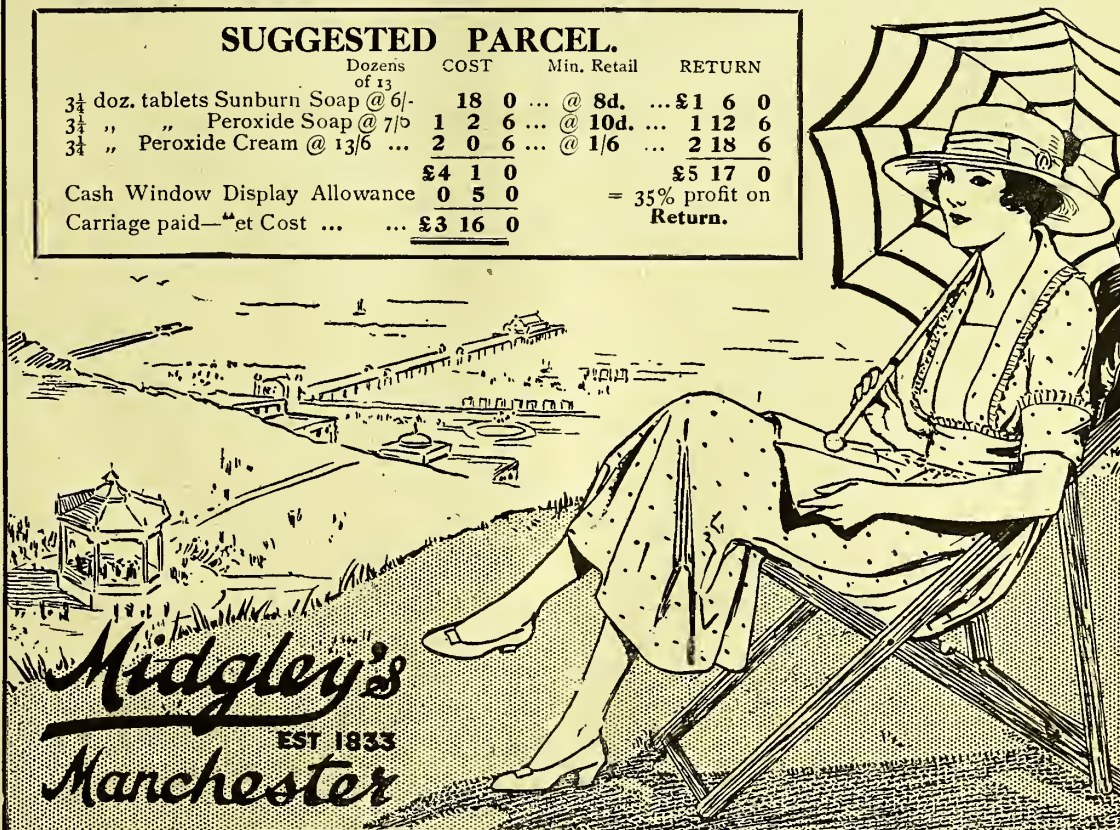
To CHARLES MIDGLEY, LIMITED,
5, Mayes Street, Manchester.
Please send your suggested parcel,
for which I enclose cheque
charge my account £3 16s. net
(Strike out whichever does not apply)

Slip
label
may be
affixed.

Name
Address

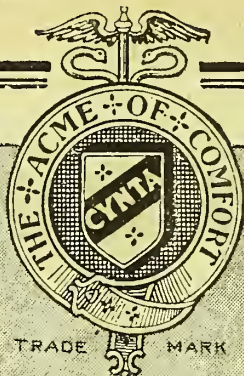
SUGGESTED PARCEL.

	Dozens of 13	COST	Min. Retail	RETURN
3¼ doz. tablets Sunburn Soap @ 6/-		18 0 ...	@ 8d. ...	£1 6 0
3¼ " " Peroxide Soap @ 7/6		1 2 6 ...	@ 10d. ...	1 12 6
3¼ " Peroxide Cream @ 13/6		2 0 6 ...	@ 1/6 ...	2 18 6
		£4 1 0		£5 17 0
Cash Window Display Allowance		0 5 0		= 35% profit on
Carriage paid—Net Cost ...		£3 16 0		Return.



Midgley's
EST 1833
Manchester

Antiseptic.



Absorbent.

“**CYNTA**”
HYGIENIC TOWELINES
 FOR LADIES

SEAMLESS KNITTED

ELASTIC COVER

NON-STRETCHING

WOVEN COVER

(BLUE LABEL)



OR



(BROWN LABEL)

GUARANTEED ENGLISH MANUFACTURE THROUGHOUT. . . *Approved and recommended by the Medical Faculty* . . .

THERE IS ROOM IN YOUR SHOP
 FOR A SMALL STOCK OF

“CYNTA” Towelines & Accouchement Sheets

THE VERY ELITE OF SANITARY NECESSARIES.

*In greater demand than ever.**Repeat Orders certain.*

Revised prices to the public now in force
 showing a larger margin of profit to the
 retailer; full particulars on application.

THE CYNTA MANUFACTURING COMPY.
St. THOMAS' PLACE, STOCKPORT.

WHOLESALE PRICES OF

'QUINPHOS'

REGD.

THE GREAT TONIC.

Minimum Retail Price.

Wholesale Price.

On the P.A.T.A.	1/3	.	.	.	11/6 per doz.
	2/11	.	.	.	27/- "
	5/-	.	.	.	48/- "

LIQUID OR TABLETS.

CARRIAGE IS PAID ON ORDERS OF 10/- UPWARDS.

A SPECIAL DISCOUNT OF 5% IS GIVEN FOR CASH WITHIN ONE MONTH.

15 INCHES.



29 INCHES.

BONUS FOR WINDOW DISPLAY as above.

- No. 1**—For a 25/- order of "QUINPHOS," equivalent to 1 doz. 1/3 size and $\frac{1}{2}$ doz. 2/11, liquid or tablets or assorted, there is a bonus of $3 \times 1\frac{1}{3}$ size with high-class Cut-out and Showcards for Window.
- No. 2**—For a £3 order of "QUINPHOS," assorted sizes, liquid or tablets or assorted, there is a bonus of $9 \times 1\frac{1}{3}$ size, with high-class Cut-out and Showcards for placing in the Window.
- No. 3**—For a £5 order of "QUINPHOS," assorted sizes, liquid or tablets or assorted, there is a bonus of $15 \times \frac{1}{3}$ size, with high-class Cut-out and Showcards for Window Display.

SOLE MAKERS:

THOMPSON & CAPPER, Limited,

Manufacturing Chemists,

Manesty Buildings, College Lane, LIVERPOOL.

Telegrams: "SANITAS LIVERPOOL."

ESTABLISHED 1843.

Telephone: ROYAL 2060.

ALL REACTIONS of the body fluids and tissues are **COLLOIDAL**.

"Collosols" are pure and stable colloidal solutions, isotonic and isomorphic with the elements of the body.



"Collosols" are tested by ultramicroscopic bacteriological and clinical experiment.

The attention of Practitioners is specially invited to the **SECOND REPORT** on **COLLOID CHEMISTRY** just published by the **BRITISH ASSOCIATION** for the **ADVANCEMENT** of **SCIENCE** and issued by the **DEPARTMENT** of **SCIENTIFIC** and **INDUSTRIAL RESEARCH** for information on the extreme importance of colloids in **Physiology** and their application in **Disease**. In that report will be found the confirmation of the value in therapeutics of the **COLLOSOLS** of

IODINE,
SULPHUR,
ARGENTUM,
IRON,
COPPER,
ARSENIC,
MERCURY,
PALLADIUM,
and
MANGANESE.

Particulars, Literature, and Reports from—

THE CROOKES LABORATORIES,

Tel.:
PARK 1697.

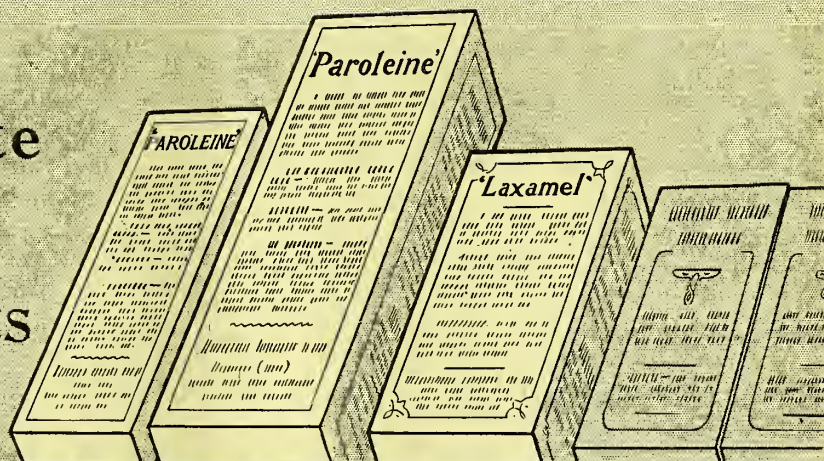
50 Elgin Crescent, LONDON, W.11

'PAROLEINE' and 'LAXAMEL'

(Trade Mark)

(Trade Mark)

The Elite
of
Paraffin
Products



That's a good place to
display them.

Have you tried it?

Do so, and you will derive still greater benefit from the demand for 'PAROLEINE' and 'LAXAMEL.' Moreover, there is that characteristic B. W. & Co. scientific appearance about their get-up which impresses the customer, an impression which the quality of the products always confirms.

'PAROLEINE' is pure liquid paraffin. Supplied in bottles of 4 fl. oz. at 18/0 per doz.; and 1 lb. (18-1/2 fl. oz.) at 54/0 per doz.

'LAXAMEL,' a really pleasant paraffin laxative. Supplied in large glass jars at 24/0 per doz. Prices subject



BURROUGHS WELLCOME & CO., LONDON

G 864

COPYRIGHT

WARRICK BROTHERS, LIMITED

CHOCELLÆ.
PULVELLÆ.
FLEXOIDS.
FLEXETTES.
FIZZZLETS. (Suspended)
REFRESHLETS. (Suspended)
EXTRAITS AUX FLEURS.
ESSENTIAL OILS.
POMADES (FLORAL).
ROSE WATER.
SACHETS.
PERFUMES.
SYNTHOROSE.
CACHOUS.
FRAGRETS. NORETS.
PERLES.
PASTILLES.
LOZENGES.
ORIFORM LOZENGES.
WALMSLEY CLEANING
PADS.
CAPSULES.

NOSTRONES.
COMPRESSED TABLETS.
AMULETS.
POT POURRI (CINET'S).
JAPADUMS (CINET'S). (Suspended)
TOILET SOAPS.
CHAPIREAU'S CACHETS.
CINET'S GOODS.
CACHETS.
CACHET APPARATUS.
ZEPHYR BUTTONHOLES.
PERFUMETTES.
OTTOLETTES.
ZOMBS.
CHANTICLEER.
LUBRILAX.
THE "FLAG"
EAU DE COLOGNE.

Also Special Agents for
JELLOIDS.
IRON JELLOIDS.
DULCILAX.

6, Nile Street, City Road, London, N.1.

Telephone: LONDON WALL 2452 (2 lines).

Telegrams: "WARRICKERS, HOX. LONDON."

CORRESPONDENCE FROM OVER-SEAS SOLICITED.



A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists and Druggists' Society of Ireland, and of many Chemists' Societies in Australia, New Zealand and South Africa.

SUBSCRIPTION RATES.

FIFTEEN SHILLINGS a year payable in advance to any part of the world, including a copy of *The Chemist and Druggist Diary*. Subscriptions may begin with the first issue of any month. Single Copy, 6d.; *Diary* 3s. 6d. post free. Postal orders and cheques should be crossed "Bank of Liverpool and Martin's Ltd."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 15s., francs.

Precio de suscripción anual: el periódico una vez por semana, y el agenda una vez por año 15 lib., francos.

Terms for advertising may be obtained on application to the Publisher

Head Office: 42 CANNON STREET, LONDON, E.C. 4.

Telegrams: "Chemicus. Cannon, London." Telephone Central 3617 (three lines).

Branch Offices: MELBOURNE AND SYDNEY, AUSTRALIA.

CONTENTS: No. 25 (Series No. 2056), Vol. 91.

	PAGE		PAGE
Association Affairs	66	Import and Export Regula-	69
Australasian News	61	tions	69
Births	69	Information Department ..	60
Books, New	69	Insurance Act Dispensing ..	68
British Science Guild	46	Irish News	48
Business Changes	46	Legal Reports	52
Colonial and Foreign News ..	53	Marriages	59
Coming Events	45	New Companies and Company	
Correspondence:		News	62
Letters	73	Observations and Reflections	61
Dispensing Notes	76	Organising the Drug-trade ..	56
Miscellaneous Inquiries	75	Personalities	58
Deaths	59	Pharmaceutical Society of	
Editorial Articles:		Great Britain:	
Patent-medicine Law in		N.B. Brauch	65
Canada	62	Pharmaceutical Society of	
By-law Protests	63	Ireland:	
The Scottish Federation	63	Council-meeting	54
New Zealand Kauri Gum	64	Production of Quinine in	
Face-values Difficulties	64	India	67
The Peace Terms	64	Retrospect	76
English News	46	Scottish News	49
Experiences of the Great War ..	45	Trade-marks	60
French News	50	Trade Notes	60
Germany's War-guilt	69	Trade Report	70
Indian Science Congress	56	Wills	58

Coming Events.

Sunday, June 22.

Manchester Chemists' Assistants' Association. Stockport Tram Terminus, Piccadilly, at 10 A.M., or Stockport Terminus at 10.45 A.M. Ramble to Lyme Park. Ladies invited.

Tuesday, June 24.

South-East London Chemists' Association. Maitland House, Greenwich, at 8.45 P.M. Annual meeting.

Wednesday, June 25.

Edinburgh Chemists', Assistants' and Apprentices' Association. Waverley Station at 6.50 P.M. Botanical excursion to Inveresk.

Notional Association of Women Pharmacists (London Group). 17 Bloomsbury Square, London, W.C., at 7.45 P.M. Election of Council Representatives.

Thursday, June 26.

London Chemists' Golfing Society. Old Fold, Barnet. Hill Cup, 36 holes, bogey.

Wolverhampton Chemists' Association. Annual outing at 2.30 P.M. By canal to Brewood. Tickets (6s. 6d. each) from Mr. F. H. Coleman, 7 Worcester Street, Wolverhampton.

BRADFORD PHARMACISTS' ASSOCIATION.—A motor char-à-banc trip to Fountains Abbey and Studley Royal has been arranged for July 2. Particulars from Mr. A. T. Baines, Hon. Secretary.

BIRMINGHAM PHARMACEUTICAL ASSOCIATION.—An excursion by motor-bus to Kenilworth, Warwick, and Leamington has been arranged for July 2. Rendezvous opposite Queen's College, Paradise Street, at 2 P.M. Tickets for bus and tea (10s. 6d. each) from Mr. F. Smith, 221 Soho Road, Birmingham.

Experiences of the Great War.

Contributions to this section are invited.

IX.—Survivors at Malta.

THE island sweltered under a blazing sun in the Eastern Mediterranean. The stone buildings of the dismantled fort and the rock of which the island was composed "glared" so that one could not look at them. Long rows of white marquees alone broke the monotony, while beneath the canvas the patients idled away the hot afternoon. The heat prevented the men from sleeping, but they dozed and cursed the mosquitoes, sand flies, malaria, and the ill-luck that had brought them to this theatre of war. From being a useless, discarded, rocky wilderness the island had, by dint of hard work, been converted into a first-class "general" hospital fitted with every improvement that modern science could suggest. The old fort, long since dismantled, served as headquarters, offices and stores. All round, so far as the eye could see, the blue water of the Mediterranean shimmered in the heat, overhead the blue cloudless sky. Horizon, there was none. Within a stone's throw of the island the grim, grey shapes of four destroyers alone reminded one of the stern realities of war. All was still—only the sand flies seemed untroubled by the heat. A drowsy patient sat up suddenly and stared. The four destroyers were steaming out to sea at their full forty-five knots per hour. The patient rubbed his eyes to make sure that he was not dreaming, for the destroyers had made no sound. Watching them recede, the soldier patient dozed again and once more all was still. Three hours later an observer would have noticed a wonderful change come over the island. Like a nest of ants into which one has poked a stick, the placed swarmed with activity.

The operator at the wireless station had just received a message, "Prepare to receive 700 survivors, destroyers will arrive in two hours." The officer commanding called the sergeant-major and the machinery was set in motion without fuss or excitement. The operating-theatre was made ready, the instruments laid out, the high-pressure sterilisers set going. White-gowned surgeons and orderlies waited complacently. The nearest marquee ward was reserved to receive the operation cases, for there would likely be many cases of broken limbs, and of those injured by the explosion of the torpedo, or scalded when the boilers burst. The store of clothing, supplied by the wonderful Red Cross Society, was opened, for few would arrive properly clothed, and many would be wet from immersion. The cooks also responded to the signal, and long before the destroyers were sighted the tables of the dining tents were laid and an abundance of hot drinks and good food awaiting. The officer commanding, like a good commander, made a final tour and personally saw that his arrangements were complete. Anxious eyes gaze seaward. Soon the leading destroyer is sighted, and little time is lost before she is alongside the landing-stage. One hears the order "Stretcher cases first," and the bearers, clad in shorts and helmets, go aboard the destroyer. As each case is carried ashore the medical officers make a rapid examination and decide the destination—fracture, operating-theatre; severe scalds, operating-theatre; exposure, bed, hot blankets, ward 21; and, as the cases are dealt with, the procession of stretchers sets off. Then follow the walking cases, and who shall describe the sight? Many smile and laugh with a laughter bordering on the hysterical; terror of the "hidden death" shows plainly on many a face, but all reflect relief on landing once more. Sometimes there are women and children, and then tears come to the eyes of strong men and fists are shaken at the invisible and treacherous foe that stoops to such an act as this. Often the survivors are of different nationalities, but there are linguists among the staff; all are classed alike, receiving the same care and attention. Lastly, the crew of the stricken ship come ashore. Stolid and calm, quite unmoved, they regard the recent disaster as part of the everyday happenings of their calling. Each walking case is examined by the doctor and a bed allotted; clothing is served out;

hot drinks are supplied and cigarettes handed round. The clerks take the names and other particulars, and the survivors pass on to the dining halls and a substantial meal. Some few have lost relatives and are quite unnerved—these are taken apart and treated with the utmost kindness. Presently all are in bed and the doctors have time to examine more thoroughly, dress minor wounds, and prescribe suitable treatment. Very soon the worn-out survivors drop off to sleep, thankful to have escaped the fate that a cruel and merciless foe had prepared for them. Once again the island sleeps beneath the hot sun and nothing moves except the sand flies, but across the ether has travelled the message of the tragedy and the list of survivors; and the elderly business man, opening his paper in the train, remarks to his companion "Hello, another ship torpedoed in the Mediterranean! What's the Navy doing?"

NORMAN BLACOW (Staff-Sergeant, R.A.M.C.).

British Science Guild.

THE THIRTEENTH ANNUAL MEETING of the British Science Guild was held at the Goldsmiths' Hall, London, E.C., on June 17, Lord Sydenham, F.R.S. (President) in the chair. There was a large and distinguished audience. In moving the adoption of the report, Sir Richard Gregory referred to the forthcoming British Scientific Products Exhibition, and said that about ten exhibition halls like the one chosen could have been filled with the exhibits offered to the Committee. Major-General Seely, Admiral Sir David Beatty, Field-Marshal Sir Douglas Haig, and the Lord Mayor of London were elected Vice-Presidents. Major-General Seely, who had to fulfil another engagement immediately afterwards, was the first speaker. In quiet, conversational tones he referred with pride to the achievements of the nation during the war, and claimed, from his own intimate knowledge, that we were at the head of all countries in inventions connected with warfare. With apt illustrations drawn from the Air Service he pointed the moral, and expressed the hope and belief that within a few years British science would have made aviation a safe mode of travel. The President followed with an address on "Science and Labour Unrest," in the course of which he summarised, with the authority born of long familiarity with scientific topics, the evolution of the present-day manual worker, and the outlook for commerce. After marshalling, in an impressive passage, the factors to be taken into account, he told the meeting that national ruin is inevitable unless production is increased. The address was on a high plane of thought and good feeling, and was punctuated with significant applause. The remaining speech, that of Sir Joseph Thompson, was the typically lucid and forcible pronouncement of a great man of science. He began by expressing the hope that some attempt might be made to retain the services of the scientific men assembled for specific purposes during the war, and went on to indicate, by a delightfully simple illustration, the immense amount of research needed in every walk of life. Sir Joseph's illustration was the well-known fact that wool, after being wrung in water, regains its former shape, while cotton does not. "The cause of this," he said simply, "is not known," and he pointed out that there might be a good deal of money latent in research on the subject. In emphasising the need for science in administrative quarters he told an amusing story of two pupils of his who applied, in pre-war days, for important official work in connection with museums. Armed with high scientific testimonials, they were sure of a hearing; but, to their dismay, they were blandly informed that what was wanted was not such ability as theirs, nor even scientific attainment less considerable, but the ability to write a letter that would satisfy the recipient without committing the Department to anything. Prolonged applause greeted the speaker as he concluded. Colonel Sir Ronald Ross moved a vote of thanks to the Wardens of the Goldsmiths' Hall for the use of their stately building; and Major Sir Ernest Shackleton, lately back from Northern Russia, expressed the thanks of the meeting to the Chairman and other speakers in a brief speech full of encouragement for scientific workers.

STERILISED MILK has been held by the Wolverhampton stipendiary magistrate to be a milk preparation, and, as such, outside the terms of the Milk Prices Order.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

The Victory Loan.

The terms of the new Government Loan were announced on Friday, June 13. It takes two distinct forms, one being the Four per Cent. Funding Loan (1960-1990), issued at 80 and redeemable by the ordinary method of a sinking fund (at latest by 1990), equal to $\frac{1}{2}$ per cent. of the nominal amount originally created. The other is the Four per Cent. Victory Loan, issued at 85 and redeemable at par by annual drawings (also provided by a sinking fund of $2\frac{1}{2}$ per cent.), commencing September 1920. In both cases the following loans will be convertible, being accepted at par as the equivalent of cash payment: The Four and a Half per Cent. War Loan (1925-45), the Five per Cent. Exchequer Bonds, 1919, 1920, 1921, and 1922, the first, second, and third series of both the Five per Cent. and the Four per Cent. National War Bonds, also the Six per Cent. Exchequer Bonds 1920, but in this particular case, in addition to interest accrued to June 21, 1919, there will be paid interest at 1 per cent. from June 21, 1919, to February 16, 1920, upon the holdings surrendered. In respect of death duties, the Funding Loan will be accepted as the equivalent of cash on the basis of 80% cash for each 100% stock or bonds, and the Victory Bonds will be accepted at their face value by the Inland Revenue. It should be added that both loans can be obtained through the Post Office in the lower denominations required by small investors, the Post Office "Victory Bonds" being for 5%, 25%, and 50%, and stock of the "Funding Loan" being obtainable in the same amounts. In the case of both Bank of England issues, income-tax will be deducted from dividends "at the source," but not so in the case of Post Office issues, it being left to the holder to declare the dividend in his returns. For foreign investors or any investors not domiciled nor ordinarily resident in the United Kingdom, both forms of loan are exempt from income-tax or other British taxation. Arrangements have been made for spreading out the payments of instalments on subscriptions to each form of loan, but certain inducements are held out for fully paid allotments.

Proposed Testimonial to Sir William Glyn-Jones.

A Committee (the names of the members of which are given below) has been formed to arrange for a complimentary luncheon and presentation of a piece of plate to the Secretary of the Proprietary Articles Trade Association. The object is to commemorate the honour of knighthood conferred on Sir William Glyn-Jones, and it is intended as an additional token of the esteem in which he is held by the trade which he has done so much to help for nearly a quarter of a century. The ceremony of presentation will take place on July 10 in the Caledonian Room, Holborn Restaurant, London, W.C. The luncheon will commence at 1.30 p.m. (immediately before the P.A.T.A. annual meeting). Tickets, not including wine, 5s. each—ladies' or gentlemen's. Applications for tickets, accompanied by a remittance, should be sent to Mr. W. Johnston, Assistant Secretary, P.A.T.A., 113 Temple Chambers, London, E.C. 4, and also subscriptions to the Testimonial Fund. To enable the organisers to make the necessary arrangements in time, and to prevent disappointment, applications, etc. should reach Temple Chambers not later than June 30. The testimonial is to be nominally from the members of the P.A.T.A., but the Committee will not exclude subscriptions from other friends in the trade who may desire to join in doing honour to Sir William. As the Committee would like as many as possible to take part, a maximum subscription of 10s. 6d. has been fixed, it being understood that smaller amounts will also be welcomed. The members of the Committee are: Mr. John Keall, Wandsworth (President, P.A.T.A.); Mr. J. G. Atkinson, Upper Norwood; Mr. Page Woodcock, King Henry's Walk, N.; Mr. A. T. Webb (May, Roberts & Co., Ltd.); Mr. F. J. Smith (Sangers); and Mr. W. Johnston.

Panel Doctor's Assertions at Inquest.

In the course of an inquest held at Deptford on June 16 Dr. Mitchell stated that he gave the deceased, a panel patient, a prescription at 8 P.M. on June 11, but as local chemists refused to dispense after 8 o'clock it was not obtained until 11 A.M. next day. He believed that had the deceased had the medicine the previous evening he might not have died. Similar cases were happening every day. The Coroner remarked that in urgent cases chemists should be compelled to dispense at any hour of the day or night, and suggested that the British Medical Association should make strong representations to the Insurance Committee. The doctor said this had already been done without effect.

Mr. G. A. Tocher, Secretary to the London Pharmaceutical Committee, has addressed a statement to the Press, in which, after an introductory sentence, he says:

I would like to point out that Dr. Mitchell has evidently overlooked Regulation 12 (3) of the Medical Benefit Regulations (England), 1913, which reads as follows: 'The Committee shall make arrangements for the supply by practitioners on the panel of all or any of the following:

(a) drugs which are necessarily or ordinarily administered by a practitioner in person, and

(b) drugs and appliances required for immediate administration or application or required for use before a supply can conveniently be obtained otherwise under these Regulations.'

In the case of urgency, as indicated in the present circumstances, it was the doctor's duty to administer or supply medicines sufficient to last until a supply could be obtained in the usual manner from the chemists on the panel. Further, it is not proved that local chemists refused to dispense urgent medicines after 8 P.M., as it is known that the two chemists' establishments nearest to the doctor's surgery are available for dispensing urgent medicines after 8 P.M. upon request. Again, it is not necessarily the fault of chemists that the medicine was not obtained until 11 o'clock next day, as the chemists' establishments in the neighbourhood are open at 9 A.M., and some at 8.30 A.M. I also note that it is not stated in the report of the evidence whether or not the prescription was marked "Urgent" by the doctor. My Committee have not had any evidence brought to their notice which will substantiate the statements made by Dr. Mitchell that "similar cases were happening every day."

Birmingham.

Banks and other large institutions are still redolent of phenols.

There is a spurt in the sale of cameras and their accessories here.

An elderly man has been sentenced to a month's imprisonment for smashing a pane of glass at the offices of the Insurance Commissioners in Corporation Street. It appears that he wanted "his own" in the shape of a record card.

There is great excitement amongst the lady students of pharmacy at the Technical School, the officials there having given them an inkling of what is in store for them at the commencement of the October session, when certain changes in the curriculum come into force.

Temporary Captain Francis E. F. Tookey, son of Mr. E. J. Tookey, M.S.C.I., senior chemist to the County Chemical Co., Bradford Street, Birmingham, has been made a Member of the Order of the British Empire (Military Division). Captain Tookey has lately been released from the Army.

A "Birmingham Mail" reporter has interviewed several leaders of pharmacy in this city concerning the statement of Sir J. Rees that present liquor restrictions are resulting more and more in the use of drugs which destroy both mind and body. It was generally agreed that these remarks do not apply locally.

Live: pool.

The legend: "Wanted an errand boy or girl at once" appears in the windows of many pharmacies, often with the added words "one fresh from school preferred."

With the resumption of supplies of mineral waters a large business is being transacted in syphons and bottles; but more would be recorded if deliveries could be expedited.

At Liverpool Quarter Sessions, on June 12, Patrick McCluskey, Picton Road, described as a manufacturing chemist, was sentenced to nine months' imprisonment in the second division for having in his possession and selling six bottles of wine bearing a false trade description (*C. & D.*, May 31, p. 46).

A local chemist and druggist, who has been touring in the home counties, has discovered that a pharmacist in a well-known town has transferred his stock and his dispensing department from a shop in a main street to the rooms above, which are reached by a side door and stairs within a gateway. This has evidently been achieved upon a reputation.

Nottingham.

There is still a scarcity of qualified pharmacists, and some employers are wondering what they are going to do about holidays, as relief men are unobtainable.

Supplies are coming through much more satisfactorily than they were a few weeks ago. This especially applies to American proprietaries.

The increase in the price of perfumery has in no way affected the sale. Most of the perfumery in the Nottingham shops has gone up 25 per cent., but the public seem to be using as much as ever.

Trade is remarkably good in all its branches. Except in times of epidemics, it has probably never been better. The greatest drawback that local chemists have to contend with is the shortage of bottles, which is becoming more acute. Doctors who do their own dispensing find themselves in a similar difficulty, and some have appealed to chemists to help them over the stile.

Sheffield.

The 3rd Northern General Hospital, at which several local chemists have done their war service, has been closed.

Chemists have been taking advantage of the slack time by having a break at the seaside.

Dr. Ripper, who has resigned the Vice-Chancellorship of Sheffield University, is returning to the applied-science department.

There is every prospect of a properly organised pharmaceutical department, with a specialised staff, being established at the University.

The local Panel Committee has postponed the proposed conference on the earlier closing of shops until after the election of the new Committee.

The Sheffield Pharmaceutical Students' Association is taking steps to convene a conference representative of pharmacy students and assistants in order to organise a pharmaceutical students' union for Great Britain, which will seek representation on any Industrial Council formed and be affiliated with the Pharmaceutical Society of Great Britain. Secretaries of societies interested are requested to communicate with Mr. T. Best, 55 Brunswick Street, Broomhall Park, Sheffield.

Miscellaneous.

COCAINE CASE.—At Marlborough Street Police Court, London, on June 17, J. Hautekiet, a Belgian butcher, was fined 25*l.* for being in unauthorised possession of cocaine.

FIRE.—An outbreak of fire occurred on June 22 on the premises of Mr. A. Goldthorpe, chemist and druggist, High Street, Plumstead, London, S.E., a garage and its contents being damaged.

FLIGHTS FOR CUSTOMERS.—Boots, Ltd., have lately been offering free aeroplane flights in connection with their branch at Lord Street, Southport. Every customer spending 1*s.* or more on one of five selected days was eligible, twenty names being selected each day by ballot.

ENEMY PATENTS.—The Morton Sundour Fabrics, Ltd., have applied for a grant of licences for seven dye patents which are vested in the custodian of enemy property. Nicholson (Newcastle-on-Tyne), Ltd., are applying for the use of seven Bakelite patents; the hearing is to take place on June 26.

POISONINGS.—Evidence given at Enfield on June 18 on the body of Dr. Watson, described as a mental specialist, showed that he had taken hydrocyanic acid while of

unsound mind, and a verdict was returned to that effect.—The adjourned inquest on the body of Rosalina Munton, whose death was due to spirit of salt (*C. & D.*, June 14, p. 60), resulted in a similar verdict.

WHIST-DRIVE.—The Ellanbee Social Club held its annual whist-drive at the Food Reform Restaurant, London, W.C., on June 11. In addition to a large attendance from the staff of Lewis & Burrows, Ltd., Messrs. Gooseman (Vinolia Co., Ltd.), Harris (Scholl Manufacturing Co., Ltd.), Kerby (Sweet & Co.), and Pearse (William Edwards & Son) were present as guests. The prizes were distributed by the Chairman of the Club (Mr. Walden), and at the close of the evening a hearty vote of thanks was accorded to the energetic Secretary (Mr. James) and those who had assisted him in the arrangements.

POSTAL CENSORSHIP EXPERIMENTS.—The British Postal Censorship, now about to be discontinued, has, it is stated, been very successful in defeating German subterfuge against the Post Office. In the early stages of the war the Germans resorted to such simple media as lemon-juice, saliva, and diluted milk. The first can be disclosed by the application of a hot flat-iron, the second by having ordinary writing ink lightly brushed over it, and the third by a dusting with fine graphite powder. Much had to do with the paper, and substances had to be found capable of frustrating the most astute German wiles in secret-message fabrication. There were months of experiment, and the result is contained in a bottle of red, viscous fluid. Applied with a brush to a suspected letter, it reveals at once any concealed writing, whatever its medium. It is a universal developer which can be washed off, and the document sent on without obliteration of the surreptitious message. This was done in a good many cases, and there was one in which ferrocyanide of potassium was employed, resulting in a big coup in connection with the blockade.

IN THE COURTS.—At West London Police Court, on June 11, Herbert C. Leonard, described as a dispenser, was charged, on remand, with obtaining a sum of money and some tooth-paste from the Enolin Tooth Paste Co. (A. & E. Carreras), King Street, Hammersmith (*C. & D.*, June 14, p. 60). Mr. Alfonso Carreras stated in evidence that the accused had been engaged as a traveller, and had represented that he was acquainted with Mr. Woolmer White, a director of Timothy White Co., Ltd., and would be able to secure a large order from that company. A telegram was subsequently received from Leonard asking for a remittance of 50*l.* for expenses in connection with a supposed window-display. The money was sent. Mr. Leonard Horace Restrell, buyer for Timothy White Co., Ltd., also gave evidence, and in cross-examination denied that he had held out any hope of a future order. A further remand was ordered.—At Croydon, recently, three lads, named Woolton, Roberts, and Kimber, were charged with breaking into Durbin's Drug Stores (Croydon), Ltd., North End, and stealing money and goods to the value of 6*l.* 13*s.* Two other similar charges were preferred against the accused, and they were committed for trial.—At North London Police Court, on June 17, during the hearing of a charge of uttering two forged 1*l.* Treasury notes, it was stated by a detective that one such note had been passed by the accused to Mr. E. S. Peebles, chemist and druggist, manager of Long's Drug Stores, High Street, Stoke Newington. A remand was ordered.

—In Bow County Court, London, on June 18, Mr. P. N. Taylor, chemist and druggist, 222 Hoe Street, Walthamstow, E., applied for the possession of a house at Gore Hill, Woodford. Giving evidence, Mr. Taylor stated that he had been managing the business of William Fox & Sons, Ltd., chemists, at Walthamstow, but had been dismissed owing to a nervous breakdown, and was now living over the shop by the courtesy of his late employers, who wanted possession for their new manager. The solicitor for the defence said that his client could find no other place, and the Judge declined to make an order.—Plaintiff: What am I to do? Am I to go into the gutter?—The Judge: Certainly not; stop where you are for the present.—At Gravesend, on June 18, a ship's steward, of foreign nationality, was fined 50*l.* for attempting to smuggle 22 lb. of opium, valued at 44*l.*

Irish News.

Brevities.

Mr. R. J. Barre, R.D. (John Laird & Co., Limerick), gives most of his leisure hours to coaching the crews of the Limerick Boat Club, of which he is captain.

Dr. Edward Coey Bigger (Medical Commissioner of the Local Government Board for Ireland) has been offered the position of Chairman of the Consultative Council for Ireland under the Ministry of Health Act.

At the recent annual meeting of the Londonderry County Council Mr. James E. O'Neill, R.D., Maghera, was unanimously re-elected Vice-Chairman for the eighteenth time. He has also been re-elected Vice-Chairman of the Londonderry Old Age Pensions Committee.

Belfast.

At Belfast Police Court, recently, David Ritchie was charged with having broken into the pharmacy of J. Carroll Culbert, M.P.S.I., 456 Newtownards Road, and having stolen a number of articles, including co-operative checks, safety-razor blades, one attaché case, and 13*l.* 3*s.* in money. He was further charged with breaking into the shop of Wm. Dobbin & Co., Ltd., chemists, 46/47 North Street, and stealing 8*l.* 5*s.* 1*d.*, a quantity of chocolate, and one handbag. Prisoner admitted the charges, and said his fall was due to drug-taking for twelve years. He was very ill in the dock and, in remanding him for eight days, the stipendiary said that the doctor's attention should be drawn to him.—On his subsequent appearance, accused was committed for trial at the Sessions, bail being refused.

The provisional settlement between the Belfast assistants and their employers is practically in agreement with the award made to the Dublin assistants (*C. & D.*, 1918, p. 968). But the clause in the Dublin award whereby any employé, in receipt of within 5*s.* per week of the minimum scale at the time the rate came into effect, or whose wages exceeded this scale, was to be paid an additional 5*s.* per week, does not appear in the Belfast terms. The new rate is to take effect from March 1, 1919, and will continue until July 31, 1919, when a national conference will settle conditions for the whole country. Wages are to be paid weekly from the first week in June.

On June 11 a representative gathering of the drug-trade of the city travelled by train to Crawfordsburn to celebrate the annual outing. Immediately on arrival at Helen's Bay sports were held, after which the party had tea at the "Cingalee." Dancing was then indulged in. The weather was delightful, and a most enjoyable afternoon was spent. The Committee in charge consisted of Messrs. R. W. McKnight, J. C. Culbert, H. Crail, W. Wilson, J. Adams, J. Dundee, Fleming, McDonald, Magill, Mitchell, R. G. McKinstry, and McDowell. Mr. Culbert was judge, and Mr. Crail starter. The following were the prize-winners:

100 Yards Flat Race:

1st Heat.—(1) Mr. Woodside, (2) Mr. McKeown.

2nd Heat.—(1) Mr. McGurk, (2) Mr. Gibson.

3rd Heat.—(1) Mr. Doohan, (2) Mr. Adams.

Final.—(1) Mr. Woodside, (2) Mr. McKeown.

Ladies: 1st Heat.—Miss Ritchie, (2) Miss O'Kane.

2nd Heat.—Miss Kelly, (2) Miss Lindsay.

Final.—(1) Miss Kelly, (2) Miss Lindsay.

Three-legged Race: Messrs. McKinstry and Lyons; Misses Kelly and Lindsay.

Egg and Spoon Race: Mrs. Woodside and Miss Lindsay.

Putting Competition: (1) Mr. McGurk, (2) Mr. H. McRoberts.

POTASH FROM THE WATER HYACINTH.—Under the supervision of the Superintendent of Agriculture, the manufacture of potash from the water hyacinth was recently undertaken in Bengal as an experimental measure. The ash was obtained at a nominal price, and gave a good yield of potash.

Scottish News.

Election of Executive.

Forty candidates have been nominated for this year's election of the Executive of the Pharmaceutical Society, North British Branch. Eighteen were to be elected. The following is the list of nominations:

Arthur, Harvey Phillips, 361 Victoria Road, Crosshill, Glasgow.
 Brown, William Wilson, 26 Haymarket Terrace, Edinburgh.
 Campbell, Andrew Turnbull, 71 Bank Street, Alexandria.
 Cowie, William Beaverly, 26 Clyde Street, Edinburgh.
 Craig, William Reid, 9 Kildonan Terrace, Paisley Road West, Ibrox, Glasgow.
 Culbert, William Spence, 39 Stirling Street, Airdrie.
 Currie, Archibald, 102 Ferry Road, Leith.
 Dott, David Brown, "Ravenslea," Musselburgh.
 Drummond, Robert Gordon, 95 High Street, Falkirk.
 Fisher, John Hutchison, 80 High Street, Dunfermline.
 Forbes, John Johnstone, 7 Scott Street, Perth.
 Giles, William, 123 Crown Street, Aberdeen.
 Gilmour, Andrew, 67 High Street, Burntisland.
 Gilmour, David, 40 Bridge Street, Dunfermline.
 Glass, William Stephen, 219 Morningside Road, Edinburgh.
 Harley, David, 121 High Street, Musselburgh.
 Irvine, Malcolm Miller, "Rockfield," Manor Road, Bellahouston, Glasgow.
 Jack, James, 102 High Street, Arbroath.
 Kitchin, George Shiach, 116 Nithsdale Road, Pollokshields, Glasgow.
 Lennox, James, 2 Queen Margaret Drive, North Kelvin-side, Glasgow.
 M'Cutcheon, Alexander, Kingussie.
 M'Cutcheon, David, 567 Duke Street, Glasgow.
 M'Ewan, Arthur, 25 Clarkson Road, Cathcart, Glasgow.
 Mackenzie, Donald George, 73 Glebe Street, Glasgow.
 Mackenzie, Thomas, 1 High Street, Inverness.
 M'Laren, James Bryce, 126 Commercial Street, Pathhead, Kirkcaldy.
 McMillan, Anthony, 623 New City Road, Glasgow.
 M'Nab, Walter Girdwood, Gorebridge.
 M'Vitae, John Brough, 27 Langside Place, Glasgow.
 Meldrum, Martin, 7 Burns Statue Square, Avr.
 Milne, James Robertson, 126 Hilltown, Dundee.
 Mitchell, Donald, 30 Union Street, Inverness.
 Muir, John, 7 Crichton Place, Leith Walk, Edinburgh.
 Murchie, John, 12 Bridgeton Cross, Glasgow.
 Murray, Alexander, 255 Albert Road, Pollokshields, Glasgow.
 Nesbit, James, 236 High Street, Portobello.
 Ramsay, John Henry, 16 Woodcroft Avenue, Broomhill, Glasgow.
 Russell, James Anderson, 7 Gray Place, Greenock.
 Storrar, David, 228 High Street, Kirkcaldy.
 Thomson, John Hutchison, 102 High Street, Lochee, Dundee.

The election took place on June 18, and many of the Scottish Federation candidates were returned. Mr. Giles was an unsuccessful candidate.

Brevities.

Manufacturers of dispensing bottles, it is said, cannot supply until six months after receipt of order.

Mr. J. Prentice Taylor, chemist and druggist, Cumnock, has opened a branch at Crichton Buildings, New Cumnock.

Cheques for drugs supplied to Fife Insurance temporary residents for the year ended December 1917 are at last being issued.

Mr. W. S. Glass, Ph.C., Edinburgh, has sold his business at 151 High Street, Dumfries (known as Allan's Pharmacy), to J. & W. McCallum, pharmacists.

Feeling in Scotland regarding the Society's proposed by-law for admitting "Hall" assistants is strong, and it is suggested that a postal vote should at once be taken of every chemist and druggist on the Register. We have been let down too often.

"Apply without with a small brush" was recently advised by a local doctor. In another case a dozen powders were ordered, and the direction, "Two powders to be taken each day, in water," induced the patient to swallow a couple on several occasions.

Mr. William Briggs (Briggs & Sons, chemical manufacturers, Dundee) has left a will written in an unusual form. He bequeaths to various charities sums which cannot at present be ascertained owing to the fact that they are stated in terms of fortieths of his estate.

It is reported that in many holiday resorts in Scotland general merchants are selling patent medicines without a vendor's licence, and in some cases are also contravening the Pharmacy Acts. The Resident Secretary in Edinburgh is always prepared to deal with infringements of this nature.

T./Major T. B. Forrest, Machine Gun Corps, chemist and druggist, has again been mentioned in despatches. Major Forrest served his apprenticeship in pharmacy to Mr. John Hinksman, Carlisle. He qualified in 1895, and after gaining further experience took up an appointment as manager of the Fordsburg branch of Lennon, Ltd., Cape Town. He served in the Army from September 1914 to February 1919, and is now back in business with Mr. Hinksman.

Aberdeen.

The Ministry of Health was one of the subjects discussed at the meeting of the Loyal Order of Ancient Shepherds held at Aberdeen on June 12. One of the speakers pointedly remarked that doctors should not work more than thirty-three hours a week, but they would be expected to work while they were at it. Incidentally, he stated that the drugs prescribed for insurance patients in Aberdeen cost more in proportion than those for the rest of Scotland.

An address on "Pharmacy in Relation to the Public" was delivered by Mr. J. Rutherford Hill, Ph.C., Resident Secretary in Scotland of the Pharmaceutical Society, at a recent meeting of the Aberdeen Rotary Club. Dr. J. F. Tocher, Ph.C., presided. Mr. Hill dwelt persuasively upon the confidential nature of the pharmacist's vocation, which sometimes necessitates his refusing to sell what he is asked for—in order to protect the customer or the community. Thus he begets confidence. Mr. Strachan (Davidson & Kay) moved a vote of thanks, which was heartily accorded.

Edinburgh.

An employé of the North British Rubber Co., Ltd., Fountainbridge, has died from the effects of inhaling nitric-acid fumes.

The Local Government Board for Scotland have issued an Order applying Section I. of the Venereal Disease Act, 1917, to the area of the City and Royal Burgh of Edinburgh as from July 1.

The annual sports of the Edinburgh Pharmacy Athletic Club, held on June 11, were a great success. There were two races for lady members—one being a sack race. Alexander Ireland, the famous young boxer, won a 300-yards handicap, starting from scratch.

Fife.

Mr. D. Leadbetter, chemist and druggist, Lochgelly, was a prize-winner at a recent angling competition on Loch Leven.

Mr. A. G. Adamson, chemist and druggist, Links Street, Kirkcaldy, is enlarging his premises by taking in an adjoining shop.

Mr. W. Smart, chemist and druggist, Buckhaven, moved a resolution, at a recent meeting of the Fife Education Authority, to abolish fees in State-aided schools under the jurisdiction of the Authority. The resolution was carried.

Glasgow.

The Governors of Glasgow Royal Technical College are appealing for 100,000*l.* to enable the institution to continue its work on an adequate scale.

The annual golfing match of pharmacists *versus* grocers took place at the North-Western Golf Course on June 10, and resulted in a win for the grocers by six matches. The following were the champions on the pharmacy side: Messrs. W. S. Galbraith (captain), W. Garrie, E. Grierson, F. Gray, J. Anderson, J. Bell, E. McDonald, D. G. McKenzie, W. Thomson, A. Watt, W. Moffatt, R. Jack, W. Sievwright, R. Hogg, A. J. Saunders, and J. Halliwell. At a meeting held afterwards it was agreed to arrange a match in September, if possible, at Ralston.

French News.

(From the "C. & D." Paris Correspondent.)

GERMAN MEDICINAL GOODS are still making their way into the occupied territory and the French market. The stocks of these medicaments which fell into French hands after the armistice have been sold, to meet public requirements, during the past months. As evidently these stocks are increasing instead of diminishing, the General Syndicate for chemical products has petitioned the French Government to introduce a super-tax, corresponding to the difference between the normal and the present rate of exchange of the mark, in addition to the *ad valorem* tax demanded by French industry on the Customs duties.

CHEMICAL INDUSTRY.—The "Matin" has interviewed M. Duchemin, President of the Chemical Trade Association, as to France's prospects in the chemical industry. M. Duchemin pointed out that France was obliged "to create new works to supply part of her Army's needs." Thus the million tons of sulphuric acid which France made before the war were doubled; nitric acid, of which she made 15,000 tons per annum, was latterly turned out at the rate of 50,000 tons a month. In 1913 France made 8,000 tons of cyanide; now she produces 100,000 tons. Evidently other countries have done the same. Germany produced 30,000 tons of sulphate of ammonia in 1913, 500,000 in 1918. In the United States of America the output is also large. In addition to this over-production the military authorities are selling off stocks representing from 25 per cent. to 100 per cent. of the French pre-war output of certain chemicals. What is wanted is time for things to "settle down." France is handicapped also by coal prices, and there are Customs questions to decide, sometimes of a delicate nature. M. Duchemin considers that "our pharmaceutical chemical industry, notably, should be an export industry," and he commented on the market which agriculture and viticulture offer to the chemical manufacturer.

A TICKLISH QUESTION.—A curious case was recently decided in one of the Paris courts. A pharmacist had made a soap designed to destroy the *Acarus* which causes scabies (itch). The original intention was to sell the soap through the trade, but a dealer, who was not a pharmacist, took up the article and advertised it in the war zone. He was accordingly prosecuted for the illegal practice of pharmacy. For the defence it was stated that the soap was not a medicament, but simply a preparation for the destruction of parasites. The Court, after consulting experts, held that the *Acarus* causes a suppuration which is a real malady. The dealer, and the pharmacist as his accomplice, were therefore sentenced. This decision was appealed against. Defendants pleaded that soap containing 11 or 12 per cent. of sulphur could not be a medicament, as sulphur, being insoluble in fatty matter, could not "enter the body." The Court of Appeal nominated three new experts, who held that, though this was true, sulphur had curative action. The Court, however, upheld the appeal and acquitted defendants, as "it was not proved that the elements of the 'Gloria' soap enter the human body."—Pharmacists ask whether this is not a dangerous precedent. They cite the case tried at Marseilles in 1893; when a dealer was prosecuted for selling antiseptic surgical bandages. In this case the experts declared that cotton-wool and gauze, impregnated with various medicaments, were curative agents. The Court upheld this view, and found the defendant guilty, though it modified the sentence considerably in view of the defendant's entire good faith, the very recent introduction of antiseptics, and other cogent reasons.

BLAME THE OTHER FELLOW!—"A photographic chemist relates," writes a correspondent, "a novel explanation put forward by an irate customer whose film, when developed, turned out to contain a series of negatives hopelessly out of focus. 'You have either developed the film too far,' he said, 'or not nearly far enough.' The proper retort was obvious, but the chemist was too tactful to make it."

Colonial and Foreign News.

WOMEN PHARMACISTS AS COUNCILLORS.—Miss M. A. T. H. Haan (Roermond) and Mrs. J. M. Beers-Kerrebijn (Velzen), who have been elected members of their respective municipal councils, are the first women pharmacists in Holland to be municipal councillors.

OIL FROM CORN-FLOWER.—According to a State oil chemist in New Carolina, a fixed oil, suitable for use in the manufacture of paints and varnishes, can be obtained from the kernels of the common corn-flower (*Centaurea cyanus*), the yield being about 30 per cent. The oil is of a light yellow colour, with a clear, sparkling appearance and a pleasant odour.

DIGITALIS IN ITALY.—An extension is urged of the cultivation of medicinal drugs in Italy, particularly of those varieties which thrive well, or are found growing, in the country. Tognoli and De Toni, in the "Gazzetta degli Osped. Clin.," recommend particularly the cultivation of *Digitalis lanata* Ehrh., so as to render Italy independent of imported digitalis.

CHEAP MEDICINES IN POLAND.—In view of the high prices of drugs, the poor and the officially registered unemployed in the former Russian Partition of Poland have been enabled, by Government authority, to obtain medicines at low prices. Certain prescriptions must be made up in all chemists' shops for 1 mk. (2 kr.) and 50 pf. (1 kr.) when marked by the doctor "Ph. œconomica."

GERMAN PLATINUM.—"Nieuwe Rotterdamsche Courant" writes that shortly before the war it was discovered that there were great quantities of platinum in the districts of Olpe and Siegan in Westphalia and in the Westerwald. At the outbreak of the war the capital necessary for exploitation had not been raised. Capitalists have now been found, however, who are prepared to finance the exploitation.

NARCOTIC DRUGS IN MADAGASCAR.—The "Journal Officiel" (Paris) for May 5 publishes a presidential decree dated April 20 laying down regulations governing the importation into, and the trade and use in, Madagascar and its dependencies of poisonous substances of all kinds—especially opium, morphine, cocaine, and their derivatives. Annexed to the decree is a schedule which enumerates all the substances classed as poisonous.

GREEK OLIVE OIL SUPPLIES.—The quantity of olive oil in the island of Mitylene remaining from 1917 is 2,187,500 okas (816 okas = tun, or 256 gals.), and the anticipated production for 1918 is 5,000,000 okas. It is estimated that the total production of the Peloponnesus for 1918 amounted to 7,000,000 okas, which is only sufficient for local consumption. In Crete the estimated stock remaining from 1917 is 2,500 tons, half of which might be exported as soon as the embargo on export is rescinded, while the production for 1918 is estimated at 3,000-3,500 tons. At Volo no oil remains from 1917, and the new crop in the district of Pelion is expected to yield about 300,000 okas. The stock at Syra is 55,000 okas, exclusive of a large quantity from the 1918 crop.

GERMAN CHEMICAL-TRADE DEPRESSION.—Only in isolated cases can an improvement in the situation of the German chemical industry be reported. Difficulties with regard to coal and raw material have increased rather than diminished. Coal-tar oil fuel has been tried in the district belonging to the Frankfurt Chamber of Commerce. With regard to raw material, supplies of potash and calcined soda are quite inadequate for the needs of the soapworks; raw rubber and woven materials are lacking; chemical-pharmaceutical works are poorly supplied with hydrochloric acid, soda lye, and soda. Important drugs cannot be prepared without glycerin, and an embargo has been placed upon the use of casein. Linseed oil, resin, copal, and asphalt are expropriated, while varnishes and lacquers, in small quantities only, are priced at fifty to eighty times the pre-war cost. It is almost impossible to obtain bright aniline colours, as the works producing these dyes are mostly situated in occupied territory. Refined mineral oils are lacking, and so also is train oil, formerly used as a linseed-oil substitute.

Australasian News.

"The Chemist and Druggist" is supplied weekly to all the members of eight Chemists' Societies in Australia and New Zealand.

HUN ADVANCES REFUSED.—Practically every wholesale druggist in Australia received, from Schering & Glatz, New York, a letter seeking the re-establishment of business relationship. Most of these letters have been ignored, but in some cases very firm refusals have been sent, which cannot fail to have shown the Hun how much, besides the war, is lost to Germans of whatever country they may claim to belong. Mr. Norton Grimwade (Felton, Grimwade & Co., Melbourne), whose eldest son suffered as a prisoner of war in German hands, and whose second son was killed at Gallipoli, recalls, in his reply, the happy pre-war association with German business houses; the dastardly crime that Germany committed in launching the war, the diabolical methods by which she hoped to win, and, as a result, the execration and loathing with which everything German is associated. F. H. Faulding & Co. (Adelaide), writing in similar vein, states:

We are thankful that we have not required any of the preparations of your manufacture, which we used to sell, and if you have had any inquiries they are probably from Germans in this country or from people who will sacrifice everything for the sake of cheapness. Until Germany upset the civilisation of the world, the writer had dealt in your goods for about forty years.

Faulding & Co. sent a copy of their letter to Mr. Watt (Acting Prime Minister), saying that old-established traders cannot answer all German concerns in this way, because local agents of German descent will be appointed representatives, naturally obtaining the business, and further they ask if anything to assist British manufactures can be done. The Melbourne "Herald" devoted its first column to this subject, and the following day a letter from Alfred Lawrence & Co., wholesale druggists, Melbourne, appeared stating that they entirely concurred with the patriotic sentiments expressed. Later the subject was dealt with editorially.

New South Wales.

BIARIUM SULPHITE POISONING.—The death of Michael McGinn, chief attendant at the Lidcombe State Hospital, was the subject of an inquiry recently, at the Parramatta District Coroner's Court. An examination of the stomach contents revealed the presence of barium sulphite, and Dr. F. H. Furnival stated that he had ordered an x-ray examination for McGinn. Formal evidence was given, and the case adjourned.

THE TITLE OF "CHEMIST."—In the annual report of the Pharmaceutical Society of New South Wales it was stated that representations had been made to the Council with a view to adopting the word "pharmacist" instead of "chemist." The opinion of the Council was that under no circumstances should the right to the title of chemist be surrendered, as members of the profession are known throughout the world by that description.

RETIRING AFTER THIRTY YEARS.—At a recent meeting of the Pharmaceutical Society of New South Wales Mr. McKimm (Chairman) announced, with regret, the decision of Mr. L. P. Williams (member of the Council 1889-1919) not to seek re-election, and said he had pleasure in conveying to Mr. Williams an expression of the Council's sincere regard and appreciation of the services rendered during the past twenty-nine years. The retiring Councillor was then elected an honorary member of the Society. Mr. Williams served his apprenticeship in Wrexham, North Wales, and studied in London under Dr. Muter before leaving for Australia, where he qualified in 1881. He was Vice-President of the Pharmaceutical Society of New South Wales in 1896, and in 1911-12, and President in 1897, 1898, and 1899.

PHARMACEUTICAL SOCIETY ANNUAL MEETING.—In his presidential address at this meeting the Chairman (Mr. McKimm) referred to the following amongst other matters: The death of the President of the Society (the late Mr. James Dixon); the adoption of the word Eutosal

for acetylsalicylic acid; the recognition now granted by the University of pharmacy students; the probable revision of the Pharmaceutical Formulary in January 1920, and the prospect of Australia having her own pharmacopœia. He expressed gratification that the Council had decided to retain for its members the time-honoured title of chemist, and hoped that no outside body would be allowed to deprive them of the right to the designation. With regard to the Early Closing Bill, it is unfortunate that chemists are not unanimous as to the advisability of a common closing-hour. The hardship of the spirit duty was also commented upon. The Secretary (Mr. A. Forster) spoke of the need for a new Poisons Act.

RECIPROCITY WITH NEW SOUTH WALES.—At a recent meeting of the Pharmacy Board of New South Wales two applications from British chemists for registration were held over, as the applicants had failed to produce the necessary certificates, or certificate of qualification from the Pharmaceutical Society of Great Britain,—namely, certificates of having passed the Preliminary examination, of attendance and pass at lectures and University examination, and certificate of apprenticeship service, as well as certificate of registration, or, in the alternative, a certificate from the Registrar of the British Society setting out that the applicant had conformed with all requirements to obtain registration. Captain Wadsworth was of opinion that the certificates produced by the applicants were not sufficient and not in accord with the reciprocity agreement in force between the Board and the Pharmaceutical Society of Great Britain. Mr. T. S. Loney referred to a recent case of fraudulent impersonation, and doubted whether regulations would entirely prevent fraud. On the motion of Mr. Loney, seconded by Mr. Short, it was resolved that all applications for registration as a pharmacist in New South Wales by chemists from other States and Great Britain which were not accompanied with all the necessary papers under the several reciprocity agreements existing between the Board and other bodies be held over until such necessary documents were produced. The President thought that full publicity should be given, in the interests of pharmacists leaving Great Britain or other States with the intention of obtaining registration in N.S.W., of the requirements of the Board to obtain such registration. Captain Wadsworth thought the Board should communicate with the Pharmaceutical Society of Ireland, pointing out the requirements of the Board in the matter of the registration of pharmacists from overseas, and suggesting that the Irish Society enter into a reciprocal agreement with the Board similar to that existing between the Board and the British Society; also that the Major certificate of the Irish Society would be required as the basis of qualification for registration.

Victoria.

THE PHARMACEUTICAL SOCIETY OF AUSTRALASIA.—At the sixty-second annual meeting it was stated that, as a result of the alterations to the College of Pharmacy, the new lecture hall will seat 150 students. The expenditure of 2,000*l.* in these alterations brings the total contributions of pharmacists, for the benefit of medical, dental, and pharmaceutical students to over 8,000*l.* since 1881. Vigorous criticism was levelled at the heavy duty levied from spirit used in medicine. The allegation, published in the "Melbourne Age," that retailers were clearing a profit on aspirin tablets, or the equivalent salicylic acid (!), of 300 per cent., was denied, and the President (Major Cossar), in refuting this charge, stated that the average margin of profit allowed by the Proprietary Articles Trade Association, is between 20 per cent. and 33½ per cent.

CAPE ARGOL.—The exports from the Union of South Africa during 1918 amounted to 588,194 lb., valued at 11,478*l.*, against 656,952 lb., valued at 7,823*l.*, in 1917. It was practically all shipped to the United Kingdom during these years.

UTILISATION OF WASTE PRODUCTS.—A chemist received a shock, not long ago, on being offered several proprietary bottles, retrieved from the local dustman's collection by a boy, who remarked affably, "I think my mother left a penny on each o' these bottles!"

Legal Reports.

Calomel Ointment.—At the Mansion House Police Court, London, on June 17, summonses were heard against Hancock & Co., Ltd., chemists, 128 Fleet Street, E.C., and Cofmans, Ltd., chemists, 113 Leadenhall Street, E.C., for selling calomel ointment deficient in calomel to the extent, in the former case, of 47 per cent., and, in the latter, of 39 per cent. The Assistant City Solicitor, prosecuting, explained that these proceedings had been brought at the instance of the medical officer. Mr. C. H. Kirby, who appeared for the defence, urged in mitigation that the deficiency was due to a compounder's lapse of memory. There was no suggestion of fraud, and the ointment was sold only about once a year. A fine of 10*l.*, with 3*l.* 3*s.* costs, was imposed in each case.

Sodium Sulphide Contract.—At the Manchester Assizes on June 6, before Mr. Justice Greer, Higginbottom & Co., chemical merchants, Manchester, sued G. D. Cartelliere, Leadenhall Street, London, E.C., for breach of a contract for the supply of 10 tons of 60-62 per cent. concentrated sodium sulphide. Counsel for the plaintiffs stated that the contract was for the supply by defendant of 10 tons of concentrated sodium sulphide at 43*l.* per ton. The plaintiffs resold the goods to a customer, and they were shipped to France. On their arrival there it was discovered that the contents of the drums was not sodium sulphide as contracted for, but what was known as caustic soda bottoms. The shipper was fined by the French Customs for misdescription. Plaintiffs claimed 66*l.* as damages. The defendant did not appear, and judgment was entered for plaintiffs for that amount.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

THALASSOIDS, LTD. (P.C.).—Capital 2,000*l.* Objects: To acquire patents, &c., and to carry on the business of chemists, druggists, drysalers, oil and colourmen, &c. R. O.: 1 Great Winchester Street, London, E.C.

MAGIST, LTD. (P.C.).—Capital 2,000*l.* Objects: To carry on the business of manufacturers of, and dealers in, toilet and fancy goods, perfumery, &c. R. O.: 39 Mytongate, Hull.

EAST ANGLIAN CHEMICAL CO., LTD. (P.C.).—Capital 15,000*l.* Objects: To acquire that portion of the business of Mary H. Wilson which concerns the operation of the plant at Sutton Bridge, Lincolnshire, for manufacturing sulphuric acid.

J. D. TIPPING (P.C.).—Capital 1,000*l.* Objects: To carry on the business of manufacturing chemists and merchants of boot polishes, furniture cream, metal polishes, disinfectants, carriers' inks, soaps, &c. Solicitor: E. G. Twemlow, 78 King Street, Manchester.

NER-VIX, LTD. (P.C.).—Capital, 5,000*l.* Objects: To enter into an agreement with J. H. Cooper and to carry on the business of manufacturing chemists, druggists, herbalists, dentists, surgical instrument makers, patent medicine manufacturers, advertising contractors, &c. R. O.: 62A Westbourne Road, Marsh, Huddersfield.

PHOENIX CHEMICAL CO. (1919), LTD.—Capital 150,000*l.* Objects: To take over the business of the Phoenix Chemical Co., Ltd., and to carry on the business of manufacturing chemists, druggists, drysalers, oil and colourmen, manufacturers of, and dealers in, photographic requisites, &c. The first directors are T. Needham, 12 Hyde Park Place, W., manufacturing chemist; C. S. Gilman, Cumberland House, Kensington Court, W. 8, barrister; F. H. Rogers, 181 Queen Victoria Street, E.C., engineer; J. Adamson, 39 Fleet Street, Liverpool, provision merchant; F. B. Dehn, 181 Queen Victoria Street, E.C., consulting chemist; E. J. Aldrick, Horncliffe, Dukes Brow, Blackburn, general manager. R. O.: Bridge House, 181 Queen Victoria Street, London, E.C.

BARCLAY & SONS, LTD.—Mr. E. J. Northmore (manager of the country department) and Mr. G. B. Heagerty (manager of drug and packed goods department) have been elected directors.

A. BOAKE ROBERTS & CO., LTD.—The directors announce that after payment of dividends on preference shares and 16 per cent. in all on the ordinary shares, providing 9,103*l.* for bonus to employees and commissions, 876*l.* for war allowances to members, and 7,610*l.* for income tax, the accounts for the year ended March 31 show a credit balance of 6,606*l.* to be carried forward.

JOSEPH NATHAN & CO., LTD.—The Imperial and Foreign Corporation offer for sale at par 223,000 "A" Seven per Cent. Cumulative Preference 1*l.* shares in Joseph Nathan & Co., the well-known New Zealand firm of colonial merchants and produce brokers, now chiefly famous as the manufacturers of "Glaxo." The concern became an English company in 1899 and was made into a public undertaking in 1913, but has never before made an issue of capital to the public here. The total capital authorised is 473,000*l.*, and 439,300*l.* is paid up.

VIROL, LTD.—The report for the year ended March 31, 1919, states that the sales of Virol have exceeded all previous records. The accounts show a gross profit of 114,088*l.*, as compared with 96,818*l.*. After deducting debenture interest, the net profit, including the amount brought forward, is 53,129*l.*, as against 38,273*l.*. The directors recommend a dividend at the rate of 15 per cent., as against 12½ per cent. for the six preceding years; to place 15,000*l.* to reserve, bringing that account up to 65,000*l.*, and to carry forward, subject to excess profits duty, 28,528*l.*. The balance-sheet shows that the 20,000*l.* six per cent. debentures have been redeemed. The annual meeting was held on June 18 at the Holborn Restaurant, Mr. B. S. Straus, J.P., presiding, when the above report was unanimously adopted. The Chairman announced that the company has secured a new factory at Park Royal.

EVANS SONS LESCHER & WEBB LTD.—An extraordinary general meeting was notified to the shareholders of Evans Sons Lescher & Webb Ltd., for June 18, when resolutions altering the articles of association and increasing the capital of the company were to be submitted. A circular signed by the Chairman of the company and accompanying the notice of the meeting states that the alterations of the articles of association are designed to remove the restrictions at present existing on the transfer of the ordinary shares, and to make them suitable for a public issue and available for a Stock Exchange quotation. The capital of the company is to be increased to 750,000*l.* by the creation and issue of 150,000 £1 ordinary shares, ranking *pari passu* with the existing ordinary shares. A prospectus will be issued in due course, but meantime it is briefly stated that the increased capital is required in connection with the development of the company's business.

A. J. WHITE, LTD.—The report for the year ended March 31, 1919, states that the net profits for the year amount to 23,905*l.* 16*s.* 1*d.* The directors are pleased to report that the company's property at Lille (France) is substantially intact, and that arrangements are being made to resume business operations in France at an early date. Owing to the war it has not been found possible to audit the company's accounts at Lille, and consequently no credit has been taken in this year's accounts for sales made during the year by the agency at Lille, France, nor have any expenses been charged in connection therewith. After bringing forward 26,845*l.* 13*s.* 11*d.* from last year's accounts, and paying the interim dividend No. 11 in December last, amounting to 7,500*l.*, there remains a balance of 43,251*l.* 10*s.*, out of which it is proposed to pay a final dividend of 5 per cent.—making 7½ per cent. for the year—leaving a balance of 28,251*l.* 10*s.* to be carried forward. Mr. R. Stafford Charles retires from the board by rotation, but, being eligible, offers himself for re-election.

THE "SANITAS" CO., LTD.—The annual general meeting was held at the offices on June 13. Mr. C. T. Kingzett, F.I.C., F.C.S. (the Chairman), presided, and in moving the adoption of the report (*C. & D.*, June 7,

p. 55), said that, apart from War Office supplies, there had been a considerable expansion of the company's business attributable to natural growth and to the association of the company with Lever Bros., Ltd. At the present time great difficulties are being experienced in obtaining adequate supplies of bottles, tins, and other materials, due, it is believed, in large measure to the seriously diminished output of coal available to manufacturers. The net result of the year's trading was a balance to the credit of profit and loss account of 30,433*l.* 4*s.* 7*d.*, and, after payment of the dividend on the 9 per cent. cumulative preference shares of the company and income-tax, there was an available balance from which it was proposed to pay a dividend of 9 per cent. on the ordinary shares, leaving a balance of 2,793*l.* 15*s.* to be carried to the next account. The Chairman concluded by moving a resolution to that effect, and expressed the acknowledgments of the Board for the excellent services rendered by the managing director (Mr. N. F. Kingzett) and the staff. The resolution was seconded by Mr. R. M. Cunningham and carried unanimously.

OOWANA SOAP CO., LTD.—The Official Receiver recently issued a summary of the statement of affairs of this company, against which a winding-up order was made on January 21 upon a creditor's petition. The report showed unsecured liabilities, 5,777*l.* 18*s.* 11*d.*; loans on debenture bonds, 7,264*l.* 7*s.* 8*d.*; and assets, consisting of stock-in-trade, trade fixtures, etc., 110*l.* 2*s.*, machinery and property in Galicia 7,000*l.*, good book debts 33*l.* 14*s.* 5*d.*, bad ditto 616*l.* 11*s.* 11*d.*, and doubtful debts 734*l.* 4*s.* 3*d.*, estimated to realise 395*l.* 10*s.* After loans on debentures have been provided for, a sum of 274*l.* 18*s.* 9*d.* is available to meet the claims of the unsecured creditors, who are accordingly faced with a deficiency of 5,503*l.* 0*s.* 2*d.*; whilst a total deficiency of 11,585*l.* 0*s.* 2*d.* is disclosed with reference to the contributories. The Official Receiver also refers to an asset valued by B. P. Maisel, one of the directors, at 6,500*l.*, consisting of rights to property in Western Galicia. The failure of the company is attributed to insufficient advertising of Oowana soap. At the statutory meeting of creditors on June 12 Mr. Maisel was stated to hold debentures in respect of a chocolate business bought for the company. Mr. Maisel said that he was quite willing to postpone payment of his debentures until the creditors had been paid, provided the petitioners would deposit with the Official Receiver a sum of 55*l.*, the Official Receiver to adjudicate upon the validity of the claim they were making. The Official Receiver remarked that this was a very fair offer on Mr. Maisel's part, and, it having been accepted, the nomination of Mr. Patullo as liquidator was carried at the creditors' meeting.

DR. TREY & CO., LTD.—The seventh annual general meeting was held on June 13 at the offices of the company, 13-14 Denman Street, Piccadilly Circus, W., Mr. C. de Trey (Chairman and managing director) presiding. In moving the adoption of the report the Chairman said that "very few dental firms, if any, have played a greater part in the development of dentistry than your company, for a good deal of our activity is devoted to educational work. Your directors believe that demonstration is the best form of advertisement, and at the present time they are spending considerable time and money in demonstration and lecture campaigns, the ultimate object of which is to improve the efficiency of artificial dentures through the use of superior teeth. One of the companies with which we are associated has spent over 50,000*l.* in specific research for the improvement of one article only, viz., artificial teeth, and a further considerable sum of money has been spent by another company with which we are associated in arriving at what is to-day considered to be the best filling material." Referring to German competition, the Chairman said the dental industry in that country had been active throughout the war, and is unfortunately unable to compete against the company in specific articles in certain countries, owing to Germany's pressing requirements to realise the goods and thereby obtain means to pay for articles of immediate necessity. The report recommending a final dividend of 5 per cent., plus a bonus of 1*s.* per share, making the equivalent of 17½ per cent. for the year, was adopted.

Business Changes.

TIMOTHY WHITE CO., LTD., are opening new premises at 58 & 59 Biggin Street, Dover.

MR. P. R. HILL, Ph.C., High Street, Gorleston, has reopened his branch at 37 Bells Road.

THE new style of Bonet & Cia., importers, Apartado de Correos 501, Madrid, is Stevenson, Bonet & Cia.

SQUIRE & Co., chemists, Birmingham, have acquired the business of John Phillips & Son, chemists, Newport, Mon.

MR. JOHN RAVENSHAW, pharmacist, South Molton, has acquired the business of Mr. George Hellens, pharmacist, High Street, Totnes.

MR. J. W. McBEATH, chemist and druggist, has purchased the branch business of Mr. C. Cecil Greensmith, chemist and druggist, at Burwell, Cambs.

MR. ARTHUR CRAVEN, chemist and druggist, late with J. Savage & Co., Ltd., Bradford, has taken over the business of Mr. H. Waddington, chemist and druggist, 47 Thornton Road, Thornton.

ESCHMANN BROS. & WALSH, LTD., surgical-instrument manufacturers, 23 Bartholomew Square, London, E.C.1, have acquired the business of Thomas Nicholls & Son, 258A Kingsland Road, E. 8.

HALLS PHARMACY, LTD., have acquired the business of Mr. B. Holden, chemist and druggist, Victoria Street, Blackburn, Lancs. Mr. T. Haslam, chemist and druggist, has been appointed manager.

MR. HAXTON ADAMSON, chemist and druggist, has taken over the business of the late Mr. Fletcher Ritson, chemist and druggist, Carlisle. Mr. Adamson, who served his apprenticeship at Leven, Fife, qualified in 1906.

LUKE & BAILEY, chemical merchants, 1 Great Tower Street, London, E.C. 3, have dissolved partnership. Mr. A. J. Luke will in future trade as A. J. Luke & Co., Suffolk House, Laurence Pountney Hill, London, E.C. 4, and Mr. J. G. Bailey will trade as J. Bailey & Co., 36 Mark Lane, London, E.C. 3.

MR. GEORGE MOORE, chemist and druggist, late with Henry Hodder & Co., Ltd., Bristol, and Hedges (Chemists), Ltd., Birmingham, has purchased the branch business of Mr. W. Llewellyn, chemist and druggist, at 40 Clydach Road, Rhondda Valley, Ton-y-pandy.

MR. W. S. TAVENER, chemist and druggist, Mayor of Guildford, has retired from business and has disposed of his pharmacy in High Street to Mr. A. F. Surfleet, Ph.C., who has been his manager for some time past. Mrs. Surfleet, chemist and druggist (*née* Olive Ruth Eversfield), is associated with her husband in the transaction.

MR. T. ROBERTS, manufacturing chemist, Bolton, proprietor of Croupline and Crevalin, has taken into partnership Mr. Horace S. Phillips, Ph.C., F.S.M.C. Mr. Roberts is the inventor of the well-known Roberts filling machines. Mr. Phillips, who is the son of the late Mr. J. Phillips, J.P., Ph.C., Wigan, was at one time on the staff of the Pharmaceutical Society at Bloomsbury Square, and during the war served in the Royal Engineers (*C. & D.*, 1917, p. 365), attaining the rank of captain and receiving the M.B.E. (Military Division).

MR. THOMAS BREWIS, chemist and druggist, Fratton Road, Portsmouth, has retired from business in favour of his nephew, Mr. J. W. McIntosh, chemist and druggist, who was in partnership with him prior to the outbreak of war, but was called up as a member of the Territorial Forces in August, 1914. In 1918, when a staff-sergeant on an Eastern front, Mr. McIntosh contributed some experiences to *THE CHEMIST AND DRUGGIST*. Mr. Brewis is President of the Portsmouth Pharmacists' Association, and has put in many years' service on the Borough Council and other bodies.

FERTILISER FROM DOMESTIC REFUSE.—The Board of Agriculture has been making investigations with a view to the transformation, by scientific means, of house refuse into a fertiliser for the land. Southwark and Bermondsey have already schemes in operation for that purpose.

Pharmaceutical Society of Ireland.

Council-meeting.

THE monthly meeting of the Council of the Pharmaceutical Society of Ireland was held on June 10 at 67 Lower Mount Street, Dublin, Mr. James Michie (President), in the chair. The following members of the Council were also present: Messrs. J. E. Connor, J.P. (Vice-President), W. F. Wells, James Tate, G. A. McLean Lee, William Doig, Charles E. Digges, H. Lancashire, J.P., William J. Hardy, R. Blair, A. Owen Wells, John Smith, G. D. Beggs, J.P. (Treasurer), Dr. J. A. Walsh, and Dr. A. J. Barnes.

THE METRIC SYSTEM.

The REGISTRAR (Mr. A. T. Ferrall) submitted a letter from the World Trade Club, San Francisco, asking the Pharmaceutical Society of Ireland to use its influence towards the adoption of the metric system in all transactions by the English-speaking peoples.

Dr. WALSH stated that a similar letter had been before the last meeting of the Dublin Mercantile Association, and while all the members present were quite agreed that it would be a very great advantage if the metric system were universally adopted, it was thought better to refer the letter to a small Committee, their report to be brought up at the next meeting.

The PRESIDENT said matters were tending in the direction of the adoption of the metric system.

The communication was referred to the Schools Committee.

PROGRESS IN EDUCATION.

The REGISTRAR read a letter from Mr. J. Dundee, Hon. Secretary of the North Irish Pharmacists' Association, stating that at the annual meeting of the Association the following resolution had been passed unanimously:

That this meeting of pharmacists, after careful consideration, request the Pharmaceutical Council to take immediate steps to call into being an Advisory Educational Committee, consisting in part at any rate of outside educational experts, with the widest possible terms of reference, to consider the whole question of pharmaceutical education, both commercially and professionally, and this Committee be directed to prepare for the Council a suitable scheme which will bring pharmaceutical education up to present requirements both commercially and professionally.

Mr. CONNOR (Vice-President) said he was at the meeting at which this resolution came forward. The matter was quite new to him, and he had had no idea that it was to have come before them in this manner. He thought they would have tabulated suggestions for the consideration of the Council. It appeared to him that the Pharmacists' Association was not in any way dictating to the Pharmaceutical Council, but simply wished to bring under the notice of the Council for discussion a very laudable subject—the education of their pharmacy students. There was no doubt that pharmacy had undergone a very big change. The large wholesale houses have taken the place of the small pharmacists who used to manufacture their own tinctures, etc., and the pharmacists are gradually becoming simply distributors. The idea that the North Irish Pharmacists' Association had before it was to do something to stimulate the professional side of education so as to bring it more up to date. There were one or two suggestions which, he thought, had been properly made: that they should make their Final examination more after the style of the English Licence examination, and that they should take up bacteriology and the examination of sputum, blood, urine, and matters of that kind in reference to which they would be brought more into touch with medical men. The question of the Preliminary examination was also discussed. Several of the subjects were considered useless, and it was thought that they might be done away with. The idea was rather to confer with the Council, and there was no intention to cause any friction between the North Irish Pharmacists' Association and the Council.

Mr. LANCASHIRE, J.P., said that at the meeting it was

pointed out that the Society's examinations had been arranged twenty or twenty-five years ago, and that as education had advanced and changed so considerably in the meantime, it would be wise if some experts were now selected along with representative members of the Council. It was suggested that the Principals of the Dublin, Belfast, and Cork Technical Schools should confer with members of the Council and go into the matter of the examinations.

Dr. BARNES said there is great room for improvement on the lines that had just been mentioned. But neither speaker had referred to the fact that they might be very much bound down by their Acts of Parliament. He had not studied them in this connection. But assuming that they had some latitude in this respect, he thought that commerce should certainly be one of the subjects for the Preliminary examination. There is also room in the proposed scheme for an Intermediate examination between the Preliminary and the Licence. He had always held that the interval of four years was much too long to be without some test, and he thought that the test might easily take the place of the present Assistants' examination at the end of two years.

Mr. HARDY said he agreed with a great deal of what the North Irish Pharmacists' Association suggested. Some steps should be taken by which the Preliminary examination should be recognised by the Medical Council. That would remove a great grievance so far as their students are concerned. He remembered half-a-dozen men in his time who would have gone in for medicine were it not for the existence of this grievance. He agreed with the Vice-President that either there should be an improvement in the chemistry course by the introduction of bacteriological examination, or else that it should be a post-graduate course.

Mr. W. F. WELLS said he thought their friends ought to give them some intimation as to the improvements they wished to suggest. To tell them that their examination was behind the times, and that they ought to improve it, and at the same time to tell them that that Council of twenty-one men were not capable of minding their own business, seemed rather hard. They were told that they must get experts; and that meant that amongst these twenty-one men there was not one fit to draw up an educational scheme or an examination scheme. He did not agree with that. He took it that pharmacists ought to know more about their own men than any men connected with technical schools. They had been always trying to improve their examinations. Dr. Barnes had touched the point. Their Acts of Parliament laid down the subjects in which they are to examine. The Dublin members of the Council, at all events, would agree with him that it would not be wise to touch such subjects as bacteriology, which their Dublin doctors dealt with. They were debarred by Act of Parliament from doing anything in the way of interfering with the medical profession or practising medicine in any shape or form. They should take care that they do not get their heads up against the medical profession. It was also suggested that they ought to do something to get their Preliminary examination accepted by the medical bodies. They had done everything that they possibly could in that direction. They had made their examination a little better than the examination of the Medical Council. One of their examiners, who had examined for both bodies, told them that the Pharmaceutical Society's examination was the stiffer of the two. They had gone to the medical bodies to try to get them to accept their examination, and the medical bodies had absolutely refused to have anything to say to them. As to what had been said about the failure of pharmacists to make up their own preparations, no curriculum would get over that. The fact that so many men were "stuck" at their examinations was the fault of the men to whom they served their time, who did not give them the necessary training, who did not train them to make up pharmaceutical preparations. As to the suggestion to make their examination more a commercial one, they could not, under their Act of Parliament, touch that. It is quite possible to have their chemistry class teaching anything they liked, but they

could not put it into the examination. If the North Irish Pharmacists' Association—he did not find fault with them—thought that the Council could improve the examination, the Council is open to suggestions. But he objected to bringing in schoolmasters and grinders and others outside to make up their examination for them. The Council is quite capable of doing it. The Pharmacists' Association should formulate what it suggests, and the Council would carefully consider everything submitted to it.

Mr. TATE said he looked upon this suggestion from the North Irish Pharmacists' Association as one of the things they might expect at the present revolutionary condition of the world. He thought the fact that they had taken the initiative in the matter was to their credit. He hoped other Associations would do likewise. In saying this much he did not say the Association is dictating to the Council in any way. It is rather acting as a stimulating force. If they wished to live in the world they must be guided by live wires from some direction. It is up to the Council to take the matter up and to ask the Association to give them some idea of the various points which it wished considered. He had no doubt that many members of the Council would welcome any new suggestion which is for the benefit of its members.

Mr. DORC said that what Mr. Wells had said was quite correct—that they are working in harmony with the Act of Parliament. But perhaps the time has come when something should be done in that matter too. He would ask the North Irish Pharmacists' Association whether they would be prepared to bear portion of the expenses involved in carrying the matter to the House of Commons and trying to get a Bill. That is a very serious matter. If any alterations were to be made he thought the chemists and druggists would like to have a hand in framing them.

Mr. W. F. WELLS thought the first step is to ascertain what the Pharmacists' Association want. At the present moment there is no chance of getting a Bill through Parliament unless it were an agreed Bill.

Mr. HARDY said that with regard to getting their Preliminary examination recognised by the medical authorities the Council should try, try, and try again; and perhaps continual hammering would press open the door to them, seeing that their examination is quite equal to, if not superior to, the Medical examination.

The PRESIDENT said it seemed to him that the resolution of the Pharmacists' Association is very vague. The Association does not seem to have great confidence in the abilities of the Council as a whole, because it advised the Council to take into its confidence principals of technical schools, whom he did not think are too well fitted to advise them in the matter. With regard to the Preliminary examination, it must be remembered that they accepted examinations from outside bodies. At the present time the certificate of the Intermediate Education Board is within the scope of almost every young man; and it is within the power of most of these young men, before entering pharmacy business at all, to have that qualification which would be accepted by the College of Surgeons or any other body. So that the Preliminary examination need not be too seriously considered as standing in the way. As regards the License examination, the Council has no power to vary it. As for the suggested course in bacteriology and other subjects, he thought that is rather a matter for a post-graduate course. It had been mentioned that the British Society had bacteriology in its course. He did not think that is so. He knew pharmacists in Dublin who had taken out a course in bacteriology and had qualified themselves for the examination of sputum and matters of that sort.

Mr. CONNOR (Vice-President): I forgot to mention another subject—therapeutics.

The PRESIDENT said that is a subject entirely for the medical profession and not for pharmaceutical chemists to consider at all. The North Irish Pharmacists' Association should formulate their suggestions so as to indicate to the Council what they wanted them to do. But at the same time they should look into their Acts of Parliament, see what they have power to do, and not put before them a scheme which they have not the power to carry out. If

the Association put before the Council in concise form what they required, the members would be very glad to assist it in any way.

Mr. A. OWEN WELLS said the examination of sputum and urine would be a hobby, as chemists would not be recognised for the examination of these matters.

The Registrar was directed to write to the North Irish Pharmacists' Association requesting it to put its views more precisely before the Council, and stating that these would receive the Council's consideration.

DEATHS.

A letter was submitted from Mrs. Cuthane, Newcastle West, stating that Mr. James R. Guest, R.D., died in January 1912.

The Registrar reported that registered postal packets addressed to the following had been returned marked "Deceased": Mr. C. Agnew, Ph.C., Mr. H. H. Burrowes, R.D., Mr. D. Donohoe, R.D., Mr. J. L. Farrell, R.D., Mr. T. E. Gordon, R.D., and Mr. V. McWalter, R.D.

The Registrar was directed to remove these names from the register.

BRITISH PHARMACEUTICAL CONFERENCE.

The Registrar submitted a letter from the British Pharmaceutical Conference inviting delegates to attend the Conference to be held in London from July 31 to July 24: Messrs. J. E. Conner, J.P. (Vice-President), W. F. Wells, John Smith, Wm. J. Hardy, and Dr. J. A. Walsh were appointed as delegates.

Reports were received from the Law Committee of the House Committee, and were adopted.

PRELIMINARY EXAMINATION.

The following submitted certificates from other bodies, and were admitted to Preliminary registration:

Mr. J. Sherwood, The Manse, Landys Street, Newry; Mr. James C. Wrixon, 37 Bank Place, Mallow, co. Cork; Mr. Denis Foley, Christian Brothers Schools, Fermoy, co. Cork; Mr. Hugh B. O'Hagan, 5 Gleann na Greine, Naas, co. Kildare; and Mr. Denis Joseph Kavanagh Coolmore, Churchtown, co. Cork.

CHANGES OF ADDRESS.

The following wrote notifying changes of address:

Mr. W. M. Birmingham, Ph.C., to c/o Thomas White, Chemists, Ltd., 17 Westbourne Place, Queenstown; Mr. R. A. Caldwell, Ph.C., to Tubbercurry, co. Sligo; Mr. Charles L. Cosbie, Ph.C., to 7 Whitehall Terrace, Clontarf, Dublin; Mr. Hugh M. Kelly, Ph.C., to The Waterside Pharmacy, 98 Duke Street, Derry; Mr. Joseph Edmondson, Ph.C.; J. O'C. Lane, Ph.C., to 189 Emmet Road, Inchmore, Dublin; Mr. F. M. McNulty, Ph.C., to Castle Street, Cahir, co. Tipperary; Mr. M. F. Parnell, Ph.C., to 2 St. Patrick's Terrace, North Brunswick Street, Dublin; Mr. Donald Neil Stewart, Ph.C., to Drumslade, Coleraine; Mr. H. E. Grimshaw, Ph.C., to Jaggersfontein, Orange Free State, South Africa; Thomas Kirk, R.D., 26 Castlewood Avenue, Rathmines, Dublin; Mr. W. J. Moore, R.D., Princetown Road, Bangor, co. Down; and Mr. Wm. Wallace, R.D., to 693A Lisburn Road, Balmoral, Belfast.

ELECTION AND NOMINATIONS.

Mr. William J. Nolan, Ph.C., 43 Main Street, Dungarvan, Co. Waterford, was elected to membership, and the following were nominated as members:

Mr. F. P. Armstrong, Ph.C., Main Street, Manorbhamilton, co. Leitrim; Mr. J. C. Boyle, Ph.C., Fortwilliam Medical Hall, 82 York Street, Belfast; Mr. W. D. Broderick, Ph.C., Duagh, co. Kerry; Mr. P. T. Callanan, Ph.C., 31 Hemberton Road, Clapham, London, S.W.; Mr. J. J. Fitzgibbon, Ph.C., The Sandycove Pharmacy, Kingstown; Dr. E. F. Flood, Ph.C., 89 Clanbrassil Street, Dundalk; Mr. J. M. Gorman, Ph.C., The Esplanade, Bangor, co. Down; Mr. J. Marks, Ph.C., c/o Mr. J. Burnett, M.P.S.I., 42 Lower George's Street, Kingstown; Mr. W. H. V. McKay, Ph.C., 120 Ravenhill Road, Belfast; Mr. D. A. O'Connell, Ph.C., Court View, Listowel, co. Kerry; Mrs. M. O'Driscoll, Ph.C., Medical Hall, Bank Place, Bandon; Mr. M. J. Parkes, Ph.C., 8 Main Street, Blackrock, co. Dublin; Mr. J. A. Patton, Ph.C., Windsor Medical Hall, Lisburn Road, Belfast; Mr. F. E. Preston, Ph.C., 70 Rathmines Road, Dublin; Mr. P. J. Quinn, Ph.C., Donnelly's Medical Hall, Irish Street, Dungannon, co. Tyrone; Mr. P. R. W. Shinner, Ph.C., 178 Clifton Park Avenue, Belfast; Mr. S. T. Smith, Ph.C., The Carlow Medical Hall, Carlow; Mr. W. G. Whitney, Ph.C., 4 Charles

Street, New Ross; Mr. T. Wrixon, Ph.C., Bank Place, Mallow, co. Cork; and Mr. P. S. Flynn, Ph.C., c/o Brooks & Co., 136 Lower Baggot Street, Dublin.

The following were nominated as Associate Druggists:

Mr. J. A. S. Anderson, R.D., High Street, Killyleagh, co. Down; Mr. John Byrne, R.D., Athboy, co. Meath; Mr. J. A. Hanna, R.D., Castle Buildings, Lisburn; Mr. S. A. Keane, R.D., 48 High Street, Kilkenny; Mr. C. O'Neill, chemist and druggist, c/o R. Smithwick & Co., Ltd., 42 High Street, Kilkenny; Mr. S. J. Smiley, R.D., The Drug Hall, Castlewellan, co. Down; Mr. Henry Tohall, chemist and druggist, Moy, co. Tyrone; Mr. W. G. West, R.D., 3 Haroldville Avenue, Dolphin's Barn, Dublin.

ANNUAL SUBSCRIPTIONS.

Dr. BARNES moved, in accordance with notice of motion:

That the membership and Associateship annual subscriptions be increased by a sum to be agreed upon, but not exceeding half-a-guinea.

Mr. BEGGS seconded the motion, which, after some discussion, was withdrawn.

Indian Science Congress.

At a meeting of the Indian Science Congress in Bombay recently an interesting paper on *Colloids and their Relation to Industry* was read by Mr. R. L. Mackenzie Wallis, M.A., M.S.A. After a general introduction Mr. Wallis dealt particularly with the subject of protective colloids, instancing the use of dextrin starch, etc., for the prevention of boiler scale, and the use of gelatin in electro-plating to keep metal in finely divided amorphous condition. The application of colloid chemistry had enabled the author to produce in India, for a few pence a pound, food material which was made and sold by Germany prior to the war for export at 9s. per lb. By the use of protective colloid he had also been able to make invalid food, the digestibility and nutritive properties of which were very high. The use of colloids in medicine was touched upon, and details were given of the author's recent work on casein, the method of its preparation and behaviour with various solvents, particularly pyridine glue. The author anticipated that a casein preparation would be used as a substitute for farina in sizing for waterproofing canvas, for protecting stonework, and preventing corrosion of metals. In the discussion which followed most of the speakers seemed greatly impressed by the vastness of the subject, whilst some pointed out various directions in their own experience in which colloid chemistry had proved of value.

A paper was also read on *The Use of Nitrogenous Fertilisers in India*, by Mr. C. M. Hutchinson, of Pusa. The author, referring chiefly to conditions prevailing in North-East India, pointed out that nitrogen is by no means always a limiting factor in many Indian soils, and said that caution is necessary in the indiscriminate application of nitrogenous manures, as under such treatment exhaustion of the mineral fertilising resources of the soil might easily result. Only a small portion of nitrogen present in the soil is in a form immediately available for plant food, the proportion available depending on the rate at which the breaking down of protein matter and nitrification are taking place. Protein fermentation may easily take an undesirable direction, leading to accumulation of products not directly useful, while at the same time, owing to intensive cultivation, carbohydrate material in the soil greatly diminished with resulting decrease in nitrogen assimilation: hence, if intensive methods of cultivation are to be maintained, these losses must be made good by the addition of nitrogenous materials under carefully controlled conditions. "The point is," the writer says, "can India afford these applications? This is an economic question which is at present difficult to answer, and involves such questions as the limiting of exports of oil seeds and electrolytic production of nitrogenous compounds. These are questions which will soon have to be faced if, ultimately, improvement of Indian soils is to be brought about."

Organising the Drug-trade.

Second Thoughts.

THE Bradford chemists' assistants have joined the Amalgamated Society of Pharmacists, Drug and Chemical Workers. It was originally proposed to join the National Warehouse and General Workers' Union.

The Growing Drug Union.

ON JUNE 12, at a meeting of the Dundee Assistants' and Apprentices' Association, addressed by Mr. Fred Hawkins (Organising Secretary of the Amalgamated Society of Pharmacists, Drug and Chemical Workers), it was resolved to form a branch of that Society. Office-bearers were elected as follows: *President*, Mr. Lyall McDougall; *Vice-President*, Mr. P. F. Kelly; *Secretary*, Mr. C. A. Livie; *Treasurer*, Miss J. Ferrier.

Drug Union Branch at Coventry.

A MEETING of managers, assistants, and drug workers was held at Coventry on June 11, when Mr. Greenfield (Amalgamated Society of Pharmacists, Drug and Chemical Workers) spoke on *The Aims and Work of the Drug Union*. It was unanimously agreed to form a local branch of the Union. Mr. Lusty was elected *President*, and a committee of three was also appointed. The *Secretary pro tem.*, Mr. Ward Newton, 10 Considon Road, Coventry, will be glad to hear from any assistant or apprentice in the surrounding district who wishes to join.

Newcastle-on-Tyne Employés' Meeting.

A MEETING, to promote the organisation of chemists' assistants in Newcastle-on-Tyne, was held on June 11, at which over eighty, including ladies, were present. Mr. Pilkington Sargeant occupied the chair, and indicated how discharged soldiers may obtain the Government educational grant. Mr. Mallinson (Assistant Secretary of the Pharmaceutical Society) addressed the meeting on the need of all assistants being organised. At the close of the address the speaker replied to questions, and a resolution agreeing that organisation is necessary was passed.

Edinburgh Drug Union.

TWO EMERGENCY MEETINGS—one for retail and the other for wholesale employés—were held on June 13, at 36 York Place, under the auspices of the Amalgamated Society of Pharmacists, Drug and Chemical Workers, Mr. Nightingale (President of the Local Branch) in the chair. The speaker was Mr. Fred Hawkins (Organising Secretary), who is giving a series of addresses in various centres in Scotland, outlining the aims of the Society, founding new branches, and emphasising the need for organisation among the assistants. Questions were put, and at the close a number of recruits was obtained.

Another Glasgow Meeting.

A MASS MEETING of employés of the drug-trade, sundries houses and public services was held at 165 Hill Street, Glasgow, on June 11, by the Glasgow branch of the Amalgamated Society of Pharmacists, Drug and Chemical Workers. The meeting was addressed by Mr. Fred Hawkins (Organising Secretary), and Mr. J. C. Hutchison (President of the branch) occupied the chair. Mr. Hawkins outlined the past history of the Society, and spoke of the success with which the Society had met. Inquiries were constantly coming to hand regarding the setting up of branches all over the country, and even from Ireland. He also indicated the advantages of a craft union. Branches have already been established in Ayr, Glasgow, Edinburgh, and Dundee. His journey north had been made for the purposes of forming new branches, of consolidating those already formed, and of appointing a Resident Secretary for Scotland. Various questions were put, all of which Mr. Hawkins answered.

Proprietors' Meeting at Dundee.

THE SPECIAL MEETING of retail pharmacist employers, arranged by the Pharmaceutical Society, was held in Dundee on June 13, and included representatives from

Brechin, Forfar, Arbroath, Broughty Ferry, Perth, and Downfield. Mr. Currie (President of the Pharmaceutical Society) and Mr. J. Rutherford Hill (Resident Secretary) were with Sir William Glyn-Jones (Secretary) on the platform. Mr. G. J. Lindsay (President of the Dundee Pharmaceutical Association) presided. Sir William Glyn-Jones' address was followed by speeches from Messrs. Bennett and Jack (Arbroath), Mr. Forbes (Perth), Mr. Thomson (Lochee), Messrs. Ferrier, Ramsay, Rosenzweig, and Stephen (Dundee). A resolution in favour of a joint conference between representatives of the Pharmaceutical Society and the Scottish Pharmaceutical Federation was carried. Subsequently, in committee, Sir William Glyn-Jones explained the reason for, and the effect of, the proposed by-law relating to apothecaries' assistants. Mr. Rosenzweig moved a resolution of protest, but it was pointed out that it could not be accepted at that meeting, which had been called for a specific purpose.

Meeting of Masters in Edinburgh.

A GENERAL MEETING of retail pharmacist employers in Edinburgh, Leith and Lothians District, South-East of Scotland and Fife, was held in the Pharmaceutical Society's House, 36 York Place, Edinburgh, on June 11. Mr. W. W. Brown (Chairman of the Edinburgh District Chemists' Trade Association) presiding. The object of the meeting was to meet Sir William Glyn-Jones, Secretary of the Pharmaceutical Society, who gave an address on the present position with reference to the Pharmaceutical Society and local organisation in connection with certain difficulties which had arisen. It was moved by Mr. Fisher, Dunfermline, seconded by Mr. A. J. Clark, Edinburgh,

That it is desirable that Scottish pharmacists in business should be associated into associations or branches with a view to the carrying out of a more forward policy in the protection of their interests, and that such associations be formed into a federation as part of the Pharmaceutical Society's machinery in Scotland. That the members of the Society elected at the special meeting held at Edinburgh on April 30 and the North British Branch Executive confer and present a scheme to a special meeting of employer pharmacists in Scotland.

It was moved by Mr. McNab, Gorebridge, seconded by Mr. Coates, Edinburgh,

That this meeting of Edinburgh, Leith and Lothians, South-East of Scotland and Fife pharmacists approves of the constitution and development of the Scottish Pharmaceutical Federation on trades union lines for the furtherance of the purely trade interests of Scottish pharmacists, and, at the same time, they, as loyal members of the Pharmaceutical Society, approve of steps being taken for co-operation between the Society and the Federation so far as is legally possible.

On a vote being taken twenty-four voted for the amendment and eleven for the motion. On the motion of the Chairman a cordial vote of thanks was awarded to Sir William S. Glyn-Jones, and on the motion of Mr. McNab a similar vote of thanks was awarded to the Chairman.

Sir William Glyn-Jones at Aberdeen.

A REPRESENTATIVE GATHERING of employers in Aberdeen and the North of Scotland assembled, on June 12, at Gordon's College, to hear an address by Sir William Glyn-Jones. Mr. William F. Hay (President of the Aberdeen Pharmaceutical Association) presided. Mr. W. L. Currie (President of the Pharmaceutical Society) and Mr. J. Rutherford Hill (Resident Secretary in Scotland) were also present. Sir William Glyn-Jones, who dealt with the question of

RECONSTRUCTION OF ORGANISATION IN SCOTLAND,

and its bearing on the Pharmaceutical Society, said he hoped that it would not be thought he was there as the protagonist of one side. That was not the case. His only direct interest in the matter was to put before them the point of view of pharmaceutical organisation throughout Great Britain without wishing to attack or defend any one course of action. If when Scottish pharmacists decided on a particular form of organisation, they were entitled

to do as they desired without interference. The present trouble was due, in the main, to dissatisfaction with existing conditions appertaining to their calling. His sympathies were with any movement calculated to improve organisation from that standpoint. (Sir William expressed the view that they are unable to separate the trading from the professional side. And if that were true of a shop, it is equally true of any organisation that represents them. Pharmacy had gone through one notable experience of the drawback of speaking through two organisations in 1868, and he would be against a repetition of it. Was there a danger of overlapping, and perhaps worse, arising if a new organisation was started to deal with objects contained in the constitution of the Scottish Pharmaceutical Federation? Some people had always thought the Pharmaceutical Society could not touch anything but its statutory duties. He had never agreed with that view, because in the charter were the words "for the protection of those who carry on the business of chemist and druggist." Not only had they the power, but they had been dealing with trade matters. He frankly accepted the statement of those who said they had no wish to be disloyal to the Society. But he could imagine a condition of affairs where loyalty to pharmacy came before loyalty to the Society. The Society existed for pharmacists, and when it ceased to perform its functions, or when another body arose which could perform them better, then there was no question of disloyalty to the Society. If they in Scotland wanted territorial representation they had only to ask for it, but he begged them, before scrapping the old machine, to make sure that by altering it, if alteration were necessary, they could not make it effective. He found them in Scotland all around the melting-pot, not in it, but too near to please him. The North British branch was part of the Pharmaceutical Society of Great Britain, and they could not put part of it in the melting-pot without having the whole organisation following it. They in Scotland represented about one-tenth of the Pharmaceutical Society, and had they any right, without consulting the remaining nine-tenths, to jeopardise the whole machine? Was it too much to ask that branch to stay its hand a few days? He referred then to the opinion from the Lord Advocate on the Society's charter powers, a view which had done almost irreparable mischief already. What he said to the rank-and-file was, that while giving full credit to enthusiasts, they must take care they did not take an irretrievable step. Let them see if some compromise could not be found which would enable them to get all they wanted. The following resolution was carried: "That this meeting of Aberdeen pharmacists approve of the development of the Scottish Pharmaceutical Federation on trade-union lines for the furtherance of the purely trade interests in Scotland; and at the same time, as loyal members of the Pharmaceutical Society, approve of steps being taken for co-operation between the Society and the Federation so far as is legally possible." About half of those present did not vote. On the motion of Mr. A. Strachan (Davidson & Kay) a vote of thanks was awarded the speaker.

POST HOC—PROPTER HOC?—The City of London Coroner stated on June 16 that, as a result of the shortage of beer and whisky, a good many people were taking cocaine and other drugs.

AMERICAN GOOSEBERRY MILDEW.—The landing in England and Wales of gooseberries from any place outside Great Britain (other than the Channel Islands) except under a licence granted by the Board of Agriculture and Fisheries is prohibited by the American Gooseberry Mildew (Importation of Fruit) Order, 1919.

TRIBUTE TO THE LATE COLONEL E. F. HARRISON.—In the course of his Rede Lecture, delivered at Cambridge on June 5, Lord Moulton said: "The most hateful chapter of the work of science in war is the introduction of chemical warfare. . . . But our immediate reply was one that did honour to science. Due to the splendid work of the late Colonel Harrison, a system of defence by gas-masks was established, in which we were for the greater part of the war far ahead of our adversaries, who only succeeded in coming up to us by learning and copying our methods. It is impossible to estimate what would have been the destruction caused by toxic gases but for these defensive measures."

Personalities.

MR. S. A. ROBEY, chemist and druggist, having been released from the Army, has returned to his pharmacy at Clay Cross.

BOMBARDIER H. H. PLATTIN, son of Mr. H. R. Platten, pharmacist, Moulsham Street, Chelmsford, was publicly presented with the Meritorious Service Medal on June 13.

MR. A. EGER, director of the Chemical Works Madoery, Ltd., Basle, will be in London shortly. Letters for him may be sent c/o THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4.

MR. ALFRED BIRD, M.P. (Alfred Bird & Sons, Ltd.), has presented to the borough of Wolverhampton a mayoral badge set with diamonds, in addition to the picture previously mentioned (*C. & D.*, May 17, p. 55).

SERGEANT-DISPENSER H. R. HALKES, chemist and druggist, who in pre-war days was with Battle, Son & Maltby, chemists, Lincoln, has been mentioned in despatches for work in Mesopotamia, where he has served for four years.

MR. CHARLES W. D. PERRINS, who some time since gave the sum of 30,000*l.* for the erection of a chemical laboratory at Oxford (*C. & D.*, 1916, p. 400), has received the honorary degree of D.C.L. from the University.

MR. W. S. TAVENER, chemist and druggist, Mayor of Guildford, presided, on June 12, at the inauguration of a local scheme of cottage-building. The President of the Local Government Board (Dr. Addison) took part in the ceremony.

MR. J. HARRISSON, having resigned his position with Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close, London, E.C., after 17½ years' service, has joined the Clayton Aniline Co., Ltd., 68½ Upper Thames Street, E.C., in their chemical department.

MR. HARTLAND SWANN, managing director of the Icilmia Co., Ltd., King's Road, London, N.W. 1, is supervising the Press advertising in connection with the "Victory" Loan, his services having been lent by the company at the request of the Chancellor of the Exchequer.

MR. E. SMITH, who has completed twenty years' service as works manager to H. Bromley & Co., Ltd., Acton Vale, London, W. 3, was on June 14 presented by the directors with an inscribed gold hunter watch. The presentation was made the occasion of a pleasant little function in the offices of the company.

MR. E. D. BARCLAY, youngest son of Sir Thomas Barclay, Ph.C., Uplands, Blackwell, has been admitted to the degree of Bachelor of Arts in the University of Cambridge. Mr. Barclay's studies were interrupted for a considerable period by the war, in which he served with conspicuous gallantry, winning the Military Cross (*C. & D.*, 1917, p. 665).

MR. R. LAMBERT-PARRY, son of Mr. Ernest J. Parry, who was, until recently, a Lieutenant in the Oxford and Bucks Light Infantry, has just taken honours in Part 1 of the Mathematical Tripos at Cambridge, which is somewhat unusual for first-term students. Mr. Lambert-Parry has also been admitted to Gray's Inn, as he proposes to adopt the Bar as a profession.

MR. W. C. BRINSON, Midlands representative of Evans Sons Lescher & Webb, Ltd., is removing from Chesterfield to "Frankholm," Egerton Park, Rock Ferry, Cheshire, as from June 30. The ground taken by Mr. Brinson will remain unchanged. Mr. Brinson has been a resident of Chesterfield for the past twenty-nine years, and during that time has been prominently associated with the public affairs of the town. He was for four years a churchwarden, and has also filled various offices in the local Unionist Association. Interests so diverse as war-pensions and football have also claimed his attention. His hobby is his garden. Mrs. Brinson has also been an active religious and social worker, and, like her husband, will be much missed.

The advent of one who is destined to become a force in pharmacy is always welcome, especially at the present time, when so many problems are waiting to be solved. Mr. Hubert B. Figg, chemist and druggist, who has taken on the secretaryship of the By-law Protest Committee, has youth and energy on his side; in fact, is one of those live wires of which pharmacy has special need. Mr. H. B. Figg was educated at Berkhamsted School, Herts, where during the last part of his time he excelled himself on the athletic field, especially in the long-distance events. His apprenticeship was served at Watford, the Preliminary examination was passed during the early months of apprenticeship, and preparation for the Qualifying examination, which was successfully negotiated in 1912, was begun at the Watford School of Science and Art and completed at the Westminster College of Pharmacy. Mr. Figg is just newly demobilised after four and a-half years' service with the Forces. Originally serving in the ranks of the Royal Flying Corps, he gained a commission in "The King's" Liverpool Regiment, and for some time up to demobilisation was serving on the Staff of the Assistant Quartermaster-General of the Western Command. During the time with the Forces his organising abilities were recognised to the full, especially in the interest of "field sports." It was greatly through his influence and work that garrison football leagues were commenced and boxing tournaments became so popular. Politics have always attracted Mr. Figg, his first initiation being in the constituency of West Herts, where he was Secretary of the League of Young Liberals. He was active and well to the fore in the last General Election in East London in support of Mr. W. Shadforth, Ph.C., who contested the N.E. constituency of Bethnal Green as an Independent candidate, being one of the chief speakers in the constituency, and, although a total stranger to the district, his popularity was soon evident, and before the day of the poll was a force to be reckoned with. In an interview Mr. Figg has given us his views on the proposed by-law for the admission of apothecaries' assistants to the Register of Chemists and Druggists without examination, and states that he is putting into the fight all possible energy, and that he will leave no stone unturned to defeat the Council's intention to betray chemists. It is, we learn, Mr. Figg's intention to contest the next Council election. Mr. Figg is an eloquent speaker, and appeals for the support of all progressive pharmacists.



MR. HUBERT B. FIGG.

Wills.

MR. JOHN HARDANT BUTLER, J.P., chemist and druggist, High Wycombe, who died on May 2, has left 8,717*l.* 9*s.* 10*d.*

MR. ALFRED BARRITT TURPIN, chemist and druggist, 8 Thorncliffe Road, Oxford, who died on April 21, left estate valued at 1,674*l.* 16*s.* 8*d.* gross, with net personality 888*l.* 11*s.* 8*d.*

MR. THOMAS TUSTIN DOLMAN, chemist and druggist, Totnes, Old Bath Road, Cheltenham, who died on March 24, left estate valued at 2,515*l.* 3*s.* 5*d.* gross, with net personality 1,071*l.* 13*s.* 9*d.*

MR. GEORGE HENRY LLOYD, chemist and druggist, Fern Villa, Riley Crescent, Pennfields, Wolverhampton, who died on February 27, left estate valued at 638*l.* 5*s.* 11*d.* gross, with net personality 377*l.* 16*s.* 9*d.*

MR. HENRY DAVID SIMPSON, J.P., chemist and druggist, New Street, Louth, who died on February 12, has left 6,327*l.* 10*s.* 6*d.* The goodwill of the business is left to his son Henry.

Births.

RUOFF.—At 58 Montague Road, Portsmouth, on June 14, the wife of F. H. Ruoff, pharmacist, of a daughter.

SWEENEY.—At 3 Gertrude Place, Barrhead, Glasgow, on June 14, the wife of James Sweeney, pharmacist, of a daughter.

TOHER.—At Stephen Street, Sligo, on June 4, the wife of T. P. Toher, M.P.S.I., of a son.

Marriages.

CLAGUE-GLOVER.—At Rode Church, Cheshire, on June 18, by the Rev. P. J. B. Ffoulkes, Charles Ernest Clague, chemist and druggist, son of Mr. T. Maltby Clague, Ph.C., Newcastle-on-Tyne, to Florence Emily, daughter of Mr. George Glover, Scholar Green.

DRANE-HARBIN.—At St. Jude's Church, Southsea, on June 12, by the Right Rev. Bishop Ingham, D.D., Vicar, Lieutenant Harold R. P. Drane, R.N.V.R., "The Friars," Fordham, Essex, to Constance M., elder daughter of Mr. G. A. Harbin, pharmacist (a director of Timothy White Co., Ltd.), Whitwell Road, Southsea.

MURRAY-McKERCHER.—At Colliston U.F. Church, Dalbeattie, on June 12, Lieutenant N. R. Murray, R.E., eldest son of the late Mr. Matthew D. Murray, chemist and druggist, High Street, to Edith, eldest daughter of the late Dr. McKerchar, Newton House.

WILLINGHAM-WALKER.—At 57 Kelvinside Gardens, Glasgow, on June 14, by the Rev. A. Ritchie, W. W. Willingham to Olive, youngest daughter of the late Mr. D. P. Walker, chemist and druggist, Glasgow.

WOOD-HAMILTON.—At St. John's Church, Putney, London, S.W., on June 14, by the Vicar, Norman Sharland Wood, second son of Mr. Vincent Wood, 91 and 93 Newington Causeway, S.E. 1, and Dulwich, S.E., to Edith, daughter of Mr. John Hamilton, Claremont, Amersham Road, Putney Hill.

Deaths.

GOLDSWORTHY.—At 67 St. Quintin Avenue, London, W. 10, on June 6, Mr. George Henry Goldsworthy, chemist and druggist, aged forty-two. Mr. Goldsworthy was a nephew of Mr. H. Everett, who was for many years in business as a chemist and druggist at Hove. His experience in pharmacy was gained chiefly with Mr. A. P. Nosworthy, Preston Street, Brighton, and with the late Mr. J. Pemberton, Herne Bay. He qualified in 1904, and subsequently acquired the business of Mr. W. W. Evans, Fulham Road, S.W. His health, however, was not robust, and he eventually disposed of the pharmacy. For the past few years he had been a branch manager for Mr. S. Long, Broadway, Stamford Hill, N. Mr. Goldsworthy was a pharmacist of a genial and unassuming disposition and an accomplished photographer. He leaves a widow.

HAMER.—At The Square, Tyldesley, on June 2, Mr. John Hamer, chemist and druggist, aged seventy-five. Mr. Hamer was in business before August 1, 1868.

KERMATH.—At St. Mary's, Montrose, on June 16, after a long illness, Mr. William Ramsay Kermath, chemist and druggist, St. Andrews, aged seventy-five. Mr. Kermath served his apprenticeship with Shield & Mill, Arbroath. He was for many years a member of St. Andrews Town Council, and prior to retiring from that body was appointed a magistrate. He was keenly interested in education, and was an office-bearer of St. Andrews Unionist Association. He is survived by two daughters.

MAUD.—Recently, Mr. William Robert Maud, J.P., chemist and druggist, Market Place, Pontefract, aged

seventy-one. Mr. Maud had been in business in Pontefract for upwards of forty years. He was successively a member of the Town Council, an Alderman, and (in 1897) Mayor of the borough. Locally he was well known as a Radical and a prominent member of the Wesleyan Church.

McEWAN.—At 3 Doune Gardens, Cathcart, Glasgow, on June 13, Katherine Agnes, infant daughter of Mr. Arthur McEwan, chemist and druggist.

O'REILLY.—Captain H. D. R. O'Reilly, Royal West Surrey Regiment (Queen's), died on May 31 from wounds received on the previous day in a Kurdistan expedition, aged twenty-four. Captain O'Reilly, who had served continuously in Egypt and Mesopotamia for over four years, was the only son of Mr. Osborne O'Reilly, Purley (representing May & Baker, Ltd., London, S.W. 11).

WILLIAMS.—At 90 Chepstow Road, Newport, Mon., on June 10, Mr. Alfred Griffiths Williams, chemist and druggist. Mr. Williams, who qualified in 1884, was in business in Newport for many years. The funeral took place at Cardiff Cemetery on June 13, among the numerous wreaths being one from the Newport Pharmacists' Association. The Association was represented at the service by Mr. Benson Harries and Mr. A. O. Findlay.

New Books.

Day, John T. *The New Way to Pay Old Debts, to Find New Money, and Reduce Taxation*, 8½ in. × 5½ in. Pp. 21. 6d. ("Shoe and Leather Record," 40 Finsbury Square, London, E.C. 2.) [A scheme is suggested by which the Treasury might redeem any kind of national obligation at once by creating State credit through the Bank of England to an equivalent amount and distributing it among the present holders of the debt. The Bank of England would need to be nationalised, but the author claims that credit would be created on the largest possible scale for the work of reconstruction and the full employment of labour.]

García, Andrés J. R. V., and Chevob. Maurice W. *Spanish and English Commercial Correspondence*, 8½ in. × 5½ in. Pp. 128. 1s. 3d. (E. Marlborough & Co., 51 Old Bailey, London, E.C. 4.) [Contains model phrases, letters, circulars, and business documents in Spanish with the English equivalents. Glossaries of commercial terms and abbreviations are given at the end.]

Ghosh, J. C., B.Sc. (Manchester), F.C.S., Ph.C. *Indigenous Drugs of India: Their Scientific Cultivation and Manufacture, with Suggestions for the Development of New Industries*, 7 in. × 4½ in. Pp. 32. 1s. (Butterworth & Co., India, Ltd., 6 Hastings Street, Calcutta.) [This pamphlet is intended to promote the investigation, cultivation, and manufacture of Indian drugs. An appendix gives a list of vegetable drugs recognised in the British Pharmacopoeia, with the equivalent names in eight languages current in India. About half the drugs mentioned are indigenous to India and Ceylon, and the author points out that most of the others could be cultivated in those countries. Instances are given of the successful cultivation in India of belladonna, digitalis, henbane, ipecacuanha, jalap, and podophyllum. The manufacture of other alkaloids than quinine is recommended as a local industry.]

Hewer, J. L. (Mrs.). *Our Baby: For Mothers and Nurses*, 7½ in. × 4½ in. Pp. 154. 16th edition. 2s. 6d. net. (John Wright & Co., Ltd., Bristol.) [First published in 1891. A very useful book which chemists can recommend to customers who betray imperfect knowledge of the methods of feeding and bringing-up babies.]

Hoare, Charles. *Mensuration made Easy; or, the Decimal System for the Million, with its Application to the Daily Employments of the Artisan and Mechanic*, 7½ in. × 4½ in. Pp. 84. 1s. net. (E. Wilson, 54 Threadneedle Street, London, E.C. 2.) [A decimal arithmetic on simple lines, intended for workmen and others who can employ the methods with advantage in business. Useful tables are given at the end.]

The Oxidation of Ammonia Applied to Nitric Chamber Plants. Prepared by the Ministry of Inventions Department, Nitrogen Products Committee, Ministry of Munitions. 11 in. × 8½ in. Pp. 12. Illustrated. 1s. 3d. (Stationery Office.) [Contains instructions for the erection and use of "M.I.D." converters, for the supply of ammonia to converters, for the utilisation of oxides of nitrogen (converter gas), and for the analytical control of ammonia oxidation.]

Trade Notes.

WRIGHT'S SOAP.—The retail price of Wright's coal-tar soap is now 6½d. per tablet.

ERASMIC SOAP.—The retail prices of "Peerless" and "Elite" Erasmic soap are now 6½d. per tablet, 1s. 7½d. per box of three cakes, the increase being necessitated by the advance in raw materials. (Corrected Notice.)

NOVOCAIN AND TRIVALEN.—The Saccharin Corporation, Ltd., 36-37 Queen Street, London, E.C. 4, intimate that the transfer of their agency for the "Ciba" pharmaceutical preparations does not affect the supply of the British-made products, novocain and trivalin.

SUPEROL is the name given to chinosol (o-oxychinoline sulphate) made by the Amsterdam superphosphate works. It is sold in powder and tablet form, the British agent being Mr. K. Rayment, 2 Broad Street Place, Blomfield Street, London, E.C. 2.

"SPINELLI" ESSENTIAL OILS.—Hollands Distillery, Ltd., Lavington Street, Southwark, London, S.E. 1, have been appointed British agents for the Spinelli brand of Sicilian essential oils, which have already earned an enviable reputation in this country for purity and trustworthiness.

THE GREENWICH LEMONADE CO., Greenwich, have taken larger premises at John Penn Street, S.E. 13, which are being adapted for manufacturing purposes. The new premises, which will be in working order soon, have been necessitated by the growth in the sale of "G. O." lemonade, and will enable the company to ensure prompt delivery.

ASPIRIN.—Menley & James, Ltd., manufacturing chemists, Menley House, Farringdon Road, London, E.C. 1, send out the aspirin of their manufacture in branded packages. These are artistically got up, the outer carton containing particulars as to the dosage, properties, and tests of the contained chemical. The standard of the aspirin is higher than that demanded by the British Pharmacopoeia 1914, and it is altogether an excellent product.

COX'S ANNIVERSARY.—Last week we inadvertently referred to the anniversary of the foundation of the business of Arthur H. Cox & Co., Ltd., Brighton, as a "Jubilee," when, as a matter of fact it was the eightieth anniversary. As this is one of the occasions when one is not ashamed to acknowledge one's age we apologise for suppressing the thirty years. The business was founded in 1839, and in 1859 was granted the famous patent for tasteless pills.

"STANDARD" PRICE LIST.—Mr. Charles Philip, 23 High Street, Herne Bay, in sending out the June "Standard" retail price list, explains that the delay has been caused by the extensive alterations caused by the Budget changes in the spirit duty, and also to the fact that he has increased the size of the list by eight pages. Mr. Philip advises his subscribers that unless they get a rebate on spirit it is cheaper to purchase spirituous preparations than to make them.

SUMMER LINES.—Charles Midgley, Ltd., 5 Mayes Street, Manchester, devote their page in this issue to toilet articles specially suited for summer. Sunburn soap is designed for the use of those exposed to the sun, as it soothes the skin and relieves the pain of sunburn. Boxes of three cakes retail at 2s. Midgley's peroxide cream and soap are two other summer articles, nicely packed with dark-blue cartons. The presence of peroxide gives to these articles a whitening action on the skin. A special window-display offer is made in Messrs. Midgley's advertisement.

LA ZAGARA ESSENTIAL OILS.—According to a circular signed by the President (Barone Domenico Nesci), this Society, which is composed of proprietors and distillers of Italian bergamot lemon and orange oils at Reggio Calabria, has transformed itself into a co-operative one for the production of absolutely pure oils. With this object, the Society is negotiating with the Italian Government to obtain a chemical laboratory subventioned by the State, which will assure, with a certificate of analysis and a special seal, the genuineness of the goods exported.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(From "The Trade-marks Journal," June 4, 1919.)

"JUNGLE"; for goods (42). By Linton, Hubbard & Andrew, 72-75 Fenchurch Street, London, E.C. 3. 388,068.

"MARCIA"; for food substances (42). By J. Keiller & Son, Ltd., 9 Albert Square, Dundee. 388,921.

"MAO"; for food substances (42) and for all goods (47). By Prescott & Co., 1 Oswald Street, Hulme, Manchester. 389,551/2.

Device including words "MALTO - AMERSFOORT NON-ALCOHOLIC" ("Malto" disclaimed); for aerated beverages (44). By Naamlooze Venootschap Phoenix Brouwerij, Smallepad 22, Amersfoort, Holland. 389,973.

"WELLHEAD"; for all goods (47). By F. B. Shotton, 3 New Street, Birmingham. 389,776.

"MARS" over picture of warrior; for goods (47). By C. Thomas & Bros., Ltd., Broad Plain Soap Works, Bristol. 389,994. (Associated.)

"IDORETTA" for goods (47) and for all goods (48). By E. D. Newbegin, "Cope View," Duke's Avenue, New Malden. 390,170/1. (Associated.)

"SYOLIA BRAND"; for skin cream (48). By A. S. Smyth, High Street, Rushall, Tunbridge Wells. 387,780.

"FRAGOLIA"; for goods (48). By A. M. Evans, 154 Church Lane, Harpurhey, Manchester. 389,658.

"POOMO" for soap and hair and scalp preparations (48). By J. Duff, 31 Strathmartine Road, Dundee. 389,874.

"MAROGOLD" with picture of same and words "Has no Equal" ("Marigold" disclaimed); for perfumery, etc. (48). By Hazlehurst & Sons, Ltd., 17 Highfield Street, Liverpool. 389,989. (Associated.)

"GOLDEN RULE"; for soap (48). By W. R. Munro, Preston Pans Soap Works, High Street, Prestonpans. 390,108.

"SOPHOS" on shield device; for perfumery, etc. (48). By W. Hill, 8 Watson Street, Glasgow. 390,152. (Associated.)

"BOROCIL"; for all goods (48). By Valley Perfumeries, Ltd., 4 Crane Court, Fleet Street, London, E.C. 4. 390,526.

"MERITOR"; for toilet brushes (50). By S. Maw, Son & Sons, Ltd., 7-12 Aldersgate Street, London, E.C. 1. 389,313.

(From "The Trade-marks Journal," June 11, 1919.)

"CABOTIN"; for chemicals (1). By H. J. G. Rudman, Cambrian Colour Works, River Street, Bristol. 390,758.

"EMBEE" under device of letter "M" and bee ("Embee" and "M" disclaimed); for chemicals (2). By McKechie Bros., Ltd., Ditton Road, Widnes. 389,514. (Associated.)

"SEGLANDOL BRAND MEDICATED SKIN PREPARATION"; for a medicated skin preparation (3). By Vera M. H. Menko, 21 Cavendish Mansions, London, N.W. 6. 385,131. (Associated.)

Information Department.

INFORMATION WANTED.

190/1. Sukro serum.
190/1. "Aloral" for cleaning gold plate
190/36. "Floral cachous" (made by Judd, Mason & Co., New York; sold here by Hargrave & Co.)

188/18. "Tragasol"
191/56. "Sorosos" or "Soros" brand elastic hosiery
191/56. Poudre Desiré (Felix Boissard)
193/35. "Paramon" (? ointment base).

INFORMATION SUPPLIED.

Abbey effervescent salt, 165/7 and 175/3
"Bromolets," 123/56
Brown's tooth powder, 129/73
Butterworth's face-powder tablets, 141/73
"Buxton liver salts," 157/15
Danderine (agents), 158/8
Diastase (Belgian inquiry), 158/44
"Djer-Kiss" preparations, 106/49 and 174/39
Hexamine (for France), 149/17
Hodgkinson's electric neuro-tone, 135/24
Holloway's pills, 174/73
Hunt's bottle caps, 124/41
Husband's magnesia, 168/5
"Hycol," 89/17 and 146/73

Poudre d'Amour, 93/55
Poudre Nildé, 41/50 and 137/32
Precipitated chalk, 167/32
Procter's pastilles, 116/39
Puffs, 153/51
Pyramidon, 73/8
"Quick Set" clinical cases, 139/31
"Sorbo" rubber sponges, 94/38
Spatulas, horn and bone, 145/37
Spray bellows, 168/59
Sprays for cinemas, etc., 167/51
Stearic acid, pure, 90/43
Stephenson's floor polish, 159/41
Stereoscopes, 2/12
"Therapion," 136/53
"Thialion," 103/52 and 136/7
Tincture presses, 83/32 and 82/29

Observations and Reflections.

By Xrayser II.

Dentistry

has always been more or less subsidiary to other occupations, and it would be grossly unjust to forbid its followers to engage in any other. Mr. Carse must not think that because I criticised the wording of the resolution protesting against this injustice I do not sympathise with its supporters, or that because I now give some amusing instances of the doubling of dentistry with other professions I am reflecting upon it in any way. One of the most famous dentists of the eighteenth century was Van Butchell, who claimed to have been, and I believe actually was, Dentist by Appointment to King George III. He is said to have been so brilliant a conversationalist that many became his patients for the mere pleasure of visiting him, and certainly he was a very versatile and clever fellow. He practised medicine, and was so successful with his nostrums that they were partly the cause of the tax on patent medicines. In addition to this, he was a perfumer and embalmer, and he exhibited the embalmed body of his wife as an advertisement. His house in Mount Street, Grosvenor Square, was one of the sights of London, on account of the gorgeous advertisements of his various appliances for "the Apparel and Furniture of Human Beings and Brute Creatures" plastered all over its front. Contemporary with him was another notorious dentist, Mr. Patence, who was also a dancing master, and a "Surgeon by Birth." These are examples not to be commended for imitation. Van Butchell has a place in the Dictionary of National Biography, but so has many another equally disreputable person.

My Much-honoured Predecessor,

Xrayser I., writing the week after the passing of the Act of 1908, quoted the lines:

Though Victory refused our arms to bless,
We ran away with wonderful success;

but although, as thus appears, he received the Act with anything but enthusiasm, he made no comment on the by-law clause, nor does he seem to have intended any reference to it. I have indeed failed to find any reference to it in the *C. & D.* during the early months of 1909, except a bare mention in the heading to a leader of February 6 of the power given to the Society to make these new by-laws, and an apologetic passing allusion by Mr. Gadd. It is evident that the significance of this sinister clause was not understood by pharmacists generally, and that it was as much as possible minimised by our leaders. Did they really see what it meant? You say it would be well for those concerned in the matter to make a clean breast of it, but have they anything to tell us? Is it not likely that they were as completely "sold" as we? The question is pertinent. If they consented to the clause with their eyes open, yet allowed us to remain in the dark, not one of them that is still on the Council ought to be put there again; if they did not, then neither the Council nor we are under any obligation whatever to make this by-law.

There is Nothing Like Leather,

but it is unwise to over-praise extravagantly or on false grounds the calling or commodity by which one gets one's living, and Mr. Angus Watson certainly goes too far in his eulogium on advertising when he says that it is not a charge on a business but an asset, because all the costs of business are regulated by the amount of trade done. Of course they are, but advertising, however much it increases business, is, nevertheless, one of the expenses incidental upon business, and, therefore, comes under the commercial definition of a charge. No doubt judicious advertising results in profit rather than loss, but so do, for example, judicious extension or improvement of premises, and many other things which are still charges and have to be reckoned as such.

"Stepping Westward"

the other day, I was tempted to enter one of the great "stores" in which the dream of Mr. Arnold Bennett's Hugo is realised almost to the letter. Being somewhat unused to "the town," I was too dazzled by the spectacle of this "hive of industry" to get a very clear impression of its activities, or to realise all its implications, but it struck me rather as a garden than a hive, in which not bees but butterflies were flitting about from parterre to parterre in search of they scarcely knew what, and the amount of business done was vastly out of proportion to the labour and expense involved. There was no actual solicitation to buy anything—indeed, it was not without difficulty that I exchanged eighteenpence for something I did not really want. But the ultimate object of the whole concern was obviously to transfer as much cash as possible from the public to one particular firm, and to this end all the baits, devices, ambages that the trained ingenuity of an astute brain could design were directed. Shopping was here raised to a luxury, and I could not but ask myself whether, if, as economists tell us, all luxury is waste, shopping of this kind is not wasteful in the highest degree. Is the public wealth increased by it in anything like proportion to its cost? Granting that distribution stimulates production, is there not a point at which it becomes hurtful to productive industry by diverting it into channels that minister only to artificial wants? Labour which does not add to the general stock of necessities is labour thrown away, unless it ministers to the refinement of life. The question whether luxury refines or not remains, and can only be answered when we know what refinement really means. But if, as some have held, it means "plain living and high thinking, the homely beauty of the good old cause," the answer will hardly be in favour of expense for the sake of display and the temptation to live beyond one's means.

The Drug Department

of this universal emporium naturally attracted me most. I had some difficulty in finding it, and still more in recognising it when found. The fault doubtless was my own, for it was one of the largest departments of the place. But again I was dazzled to the point of bewilderment. Veritable flower-beds of dainty wares of every kind surrounded me, and these were in charge of ladies as dainty as themselves; the air sparkled with the shimmer of cut glass and bright eyes; it was heavy with perfumes; myrrh, aloes, and cassia, out of the ivory palaces of the Orient, contributed to disguise the fact that this was not a bower of bliss but a chemist's shop; and the dispensing department, when I found it, extensive as it was, did little to dispel the illusion. Dispensing was, I suppose, going on there, but I saw nothing of it. Now, it chanced that business took me directly from this pharmacy *de luxe* to one of the old historic chemists' shops in a neighbouring street. What a change of scene was here! Here, too, all that art and science could devise was being utilised for a particular purpose—ultimately, it may be admitted, for the same purpose—that of bringing business to the proprietors; efficiency, the perfection of every detail, was as obvious here as there; but though the ultimate object was the same the whole air and implication of the place were entirely different. Real service, ministrations to actual necessities, was obviously the immediate aim; there was no display for the sake of display, no tacit solicitation, no waste of labour or ostentatious expense of any kind. And once more I put a question to myself: Both these modes of business may be legitimate, but which is the more honourable? Which of the two is it that the pharmacist who has the choice should follow? Does the way along which our ancient craft should go lie through the strait gate of pharmacy pure and simple, or is it "the primrose path" of the pharmaceutical luxury-monger?

A GENERAL MEETING of the members of the British Dental Association was held at the Cannon Street Hotel, London, recently, for the purpose of considering the Dental Bill which is to come before Parliament.

"SANITAS" DISINFECTANTS

FLUIDS, POWDERS, SOAPS & FUMIGATORS

Should be stocked by all Chemists.

THE "SANITAS" CO., Ltd., Limehouse, LONDON, E. 14.

S.V.R. — S.V.M.

AND

CHEMISTS' WINES.

Jas. Burrough Ltd. D.1 Cale Distillery, Hutton Rd.,
LAMBETH, S.E. 11.

Essential Oils

AND

Aromatic Chemicals

W. NAUMANN, 40 Charterhouse Sq., London, E.C. 1.

BE PREPARED FOR THE FRUIT CROP
Costly Patent Bottles Superseded. 30 Jars of Fruit Bottled—
without Sugar—for 1/9 in ordinary Jam Jars or Bottles, with
the new medium

PRESERVO

(Not a chemical preservative; a patented sealing process).
Awarded the Certificate of the Institute of Hygiene. Gold and other Medals.
Thousands of unsolicited Testimonials.

Complete Outfit, sufficient to seal 30 jars, including adaptable
parchment covers, and full instructions, retailed at 1/9 per packet.
Excellent new Proprietary line. Sells at Sight. Liberal Terms.
Carriage Paid to any part of the United Kingdom. Post Cheque 50/-
for sample 3 dozen. Quotations for larger quantities on request.

Manufactured only by

ELLIOTT & CO. Dept. 5, HAYWARDS HEATH.
SUSSEX, ENGLAND.

"PRESERVO" is also splendid for all Jams and Marmalades.

FENNINGS' 50 YEARS' REPUTATION

Children's Powders

ADVERTISED EVERYWHERE. READY SALES.

ALFRED FENNINGS, COWES, I.W.

PATENTS AND TRADE MARKS.

There are many worrying difficulties to be overcome in connection with
the Registration of Trade Marks and the grant of Letters Patent which
members of the Retail and Wholesale Drug Trade can avoid, by consulting
an efficient agent, who would undertake all the trouble for an inclusive fee
and obtain protection in the United Kingdom and abroad. Advice in the
first instance free. Pamphlets gratis.

55 Ludgate Hill, London, E.C. 4.

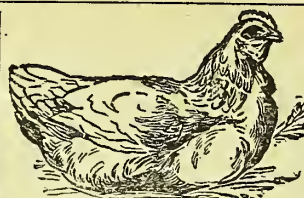
RÉGINALD W. BARKER.

The
Millbay Soap & New Patent Candle
Co., Ltd., PLYMOUTH.

Have a world-wide reputation for
**HARD SOAPS, TRIPLE MILLED TOILET SOAPS,
TRANSPARENT SOAPS, PARAFFIN AND WAX
CANDLES, NIGHT LIGHTS, Etc.**

WRITE DIRECT FOR PRICE LIST, or, for London and District, to
R. W. PHILLIPS,

Craven House, Kingsway, London, W.C. 2 Tel.: Gerrard 1774.



WATER GLASS

Best value. Largest packers.

SEED DRESSING

Carbolised, Liquid. Our formulae
and I. bels. Sulph. Copper, &c.

TOMLINSON & HAYWARD, Ltd.
LINCOLN.

An announcement of particular
interest to you appears in
this issue on page v.

Fletcher's Concentrated Liquors

For over Forty Years have been in daily use by
progressive pharmacists in all parts of the world.

FLETCHER, FLETCHER & Co., Ltd., HOLLOWAY, LONDON, N.

Editorial Articles.

Patent-medicine Law in Canada.

A BILL to amend the Proprietary or Patent Medicine Act
of Canada has recently been brought before the Canadian
Houses of Parliament. Sections two, three, five, six, and
seven of the present Act, chapter 56 of the statutes of
1908, are repealed, and others containing far-reaching
proposals, in some instances, substituted. Section 3 (1)
states that:

Every manufacturer of a proprietary or patent medicine
and every agent of such manufacturer shall, before offering
any medicine for sale, procure from the Minister a numbered
certificate of registration, and furnish the Minister with a
statement, under oath, of the essential formula and com-
position of such medicine, which statement shall be filed in
the Department, and shall be treated as confidential.

The penalty for non-compliance is a fine of 100 dollars and
costs or imprisonment up to two months, the Minister
having power to cancel any certificate of registration pre-
viously granted. A gratifying clause, symbolic, let us
hope, of the growing appreciation in governmental circles
of the technical knowledge and integrity of the pharmacist,
is the following:

The preparation of the medicine shall be continuously
supervised by a pharmacist legally qualified in the Province
in which the medicine is being prepared.

The Minister charged with the administration of the pro-
posed Act is to have power to grant the manufacturer
leave to change the composition of the name of any
medicine for which a registration number has been
granted. An annual licence at the rate of one dollar for
each medicine will be required, but a single licence, cover-
ing any number of preparations designated by their
registration numbers, may be granted to any manufacturer
at a fee of one dollar for every registration number in-
cluded. Preparations containing opium for children over
one year shall be labelled, "Dangerous for infants under
one year old." Section 7 prohibits the manufacture,
importation, or exposure for sale of preparations containing
cocaine or its salts, alcohol in excess of a specified volume,
and certain other drugs. An Advisory Board of three
members will be appointed, which will have power to
formulate decisions in regard to these aforesaid medica-
ments, and, as at present constituted, this clause does not
call for the inclusion of a pharmacist on the Board. Mr.
Gibbard (Secretary of the Canadian Pharmaceutical Asso-
ciation), however, has proposed several amendments,
amongst which is that the Advisory Council be increased
to five so as to include a pharmacist and a manufacturer.

By-law Protests.

THE opposition to "the unjust by-law" which proposes to admit unqualified persons to the Register of Chemists and Druggists has taken definite shape in the formation in London of a By-law Protest Committee, the object of which is to conduct a propaganda to secure the defeat of the by-law when it comes before the general meeting of the members of the Pharmaceutical Society. The reasons why the Committee object to the proposed by-law is that to adopt it would be a danger to the public and a lowering of the standard of qualification necessary for those who desire to carry on the business of a chemist and druggist. Further objections are the back-door methods adopted in promoting the by-law, and the fact that there is not finality about the proposal. Mr. A. Keith has been appointed chairman, Mr. J. Hearle, treasurer, and Mr. H. B. Figg, hon. secretary. The line of action is to induce members of the Pharmaceutical Society to be present at the meeting at the Memorial Hall, Farringdon Street, on July 2 and vote against the by-law. The Committee appeals for subscriptions, and Mr. Figg (32 Antill Road, Bow, London, E. 3) is ready to answer any inquiries on the matter. The aims of the Committee are sufficiently definite and should result in a definite opinion as to whether the by-law is unjust to the public and to registered chemists. The basis of all pharmacy legislation in this country has been the protection of the public from poisoning. The Pharmacy Act, 1868, definitely states that its object is "the safety of the public," and that statute forbids anyone keeping open shop, *inter alia*, for the retailing of poisons or assuming or using the title "chemist" unless qualified and registered as provided by the Act. The official answer to this argument is, we are told, that the Register of Chemists and Druggists already contains names of persons who have not passed any examination. Those persons whose names were placed on the Register at the time of the passing of the Pharmacy Act, 1868, were then in business, and it is imprudent at this distance to suggest that they were not qualified to carry on business. Be that as it may, every one of the unexamined men whose names appear on the Register will now have had more experience, in point of years, of the business of a chemist and druggist than any examined person, so that the official quibble has nothing to do with the admission of 150 apothecaries' assistants who have no experience of the business of a chemist and druggist, and hence are unable to afford protection to the public. The point has been put to us as to whether the proposed by-law would not be *ultra vires* by reason of the fact that in a sense it repeals the Pharmacy Act, 1868. That, of course, is a question which can only be settled by the Courts. At the same time, we think there is something in the contention, because it can well be argued that section 4 (b) was not intended to admit unqualified persons to the Register, the safeguard being provided that the apothecaries' assistants must "*produce evidence to the Council of the Society that they are persons of sufficient skill and knowledge to be so registered.*" If the Council is willing to betray the trust reposed in it by requiring inadequate evidence, it does not follow that the members will back it up. It was to guard against the Council being unrepresentative of opinion that an appeal to the members is necessary before any by-law can be submitted to the Privy Council for approval. Another right which the members should be very jealous of is that the initiation of by-laws rests with the Pharmaceutical Society. There has been a tendency of late years for the Privy Council officials to usurp the functions of the Pharmaceutical Society. The Privy Council tried the same tactics years ago over the Poison Regulations, but at that time the members of the Pharmaceutical Society firmly asserted their rights and showed the Privy Council that the Legislature had entrusted the administration of the Pharmacy Act to experts in the practice of pharmacy and not to Civil servants. We notice that the By-Law Protest Committee make a point of the back-stairs methods that have been employed by the supporters of the Council of the Pharmaceutical Society. The tactics employed seem to embody the worst features of political bodies, and, in our

opinion, are out of place in the administration of the affairs of the Pharmaceutical Society. What the members have to do is to put backbone into the Council by defeating the by-law. This will be equivalent to a mandate to the Council to formulate proposals which will protect both the public and the registered chemists. It is an anomalous position that the Council is willing to admit unqualified persons to the Register, and at the same time is engaged in stiffening the examinations for those who wish to become chemists and druggists by the straightforward method of experience and examination.

The Scottish Federation.

THAT pharmaceutical affairs have recently been in a ferment in Scotland has been obvious from the references that have been made in THE CHEMIST AND DRUGGIST, but what were not so apparent are the reasons for the unrest and why the matter has developed in a particular direction. The tour of Sir William Glyn-Jones to the chief cities of Scotland indicated that something unusual had happened. From the reports which are published in this issue it will be gathered that the Scottish Pharmaceutical Federation, which at first seemed to be looked upon with favour by the Pharmaceutical Society, was "turned down" somewhat severely so soon as it was seen that the Federation was to be a separate body whose object was to deal with trade matters affecting the drug-trade. We write this subject to correction, as even now there are some things that are not clear to us, although we have tried to take a detached view of the reports that have reached us. It will be seen that Sir William Glyn-Jones visited Glasgow, Edinburgh, Aberdeen, and Dundee, and that at three of these cities resolutions were passed implying the sufficiency of the Pharmaceutical Society to deal with all matters affecting the organisation of the drug-trade. One interesting feature was a reference to an opinion given by counsel that the Pharmaceutical Society cannot by its Charter deal with trade matters, such as the regulation of wages and prices. This appears to be a recent opinion taken with the object of deciding whether the Society can act as a trade union, as it is proposed it shall do under recent developments. The Charter of the Pharmaceutical Society states that one of the objects of the Society is "the protection of those who carry on the business of chemists and druggists," and this has generally been considered as empowering the Society to deal with all trade matters. There is a tradition that some years ago the Council took opinion on the matter, and were informed that trade matters were outside the scope of the Charter, so that it is interesting to hear that a fresh opinion has confirmed the older view. Of recent years the tendency has been for the Pharmaceutical Council to take a broader view of its powers to act in trade matters, the development of the Local Associations Executive being a case in point. The opinion affects the standing of the Society as representing employers on an Industrial Council, so that the question is not purely a Scottish one, but affects equally chemists in England and Wales. The further development will be watched with interest. The official scheme for organising Scottish chemists was to form a seventh area in the scheme of the Local Associations Executive, but there is much to be said regarding the constitution of a separate body to deal with trade affairs, leaving the Pharmaceutical Society to concern itself with administrative functions connected with the Pharmacy Acts, such as in Australia are performed by Pharmacy Boards. There is, however, the financial difficulty, and unless panel chemists consent to devote the money which may be obtained from the Drug Fund under the National Insurance Acts, we have not much hope of the success of an independent body. It is never wise to quell suddenly any enthusiastic body which is formed to deal with pharmaceutical organisation, and, if we judge aright, Sir William Glyn-Jones's mission to Scotland was intended to divert the energy of the leaders of the Federation into channels more pleasing to official minds. Every registered chemist is interested in knowing what are the limitations of the Society's activities.

New Zealand Kauri Gum.

WHEN the European war broke out in 1914, New Zealand lost the bulk of its export trade in kauri gum and prices fell rapidly. The Government, foreseeing trouble, immediately came to the rescue of the industry, and created a Department which took over the diggers' gum upon terms and made personal advances and started relief works. They also opened a market for the gum in the United States—the principal consumer. Thereby the Government became the only buyer and seller, thus arousing considerable opposition among the export merchants and dealers whose business was in jeopardy. These facts are set out in detail in the Annual Report for the year ended March 31, 1918, which states that until the Department was set up the gum merchants in Auckland had a "snug monopoly." They had no real competitor, and the interests of four to five thousand gum producers and of the storekeepers on the gum-fields were absolutely in their hands. It was a fairly general belief that there was a kauri-gum "ring" in Auckland, and finding their operations practically at an end by the Government action, a number of leading firms commenced an active propaganda criticising the operations of the Department. Several pages of the Annual Report are taken up with these criticisms and rejoinders by the Government, which afford amusing reading. Defending himself, Mr. R. P. Greville, the kauri-gum superintendent, who writes the Report, states that "no doubt it would be a good thing for the gum merchants and brokers if the Government went out of the business, for it is clear, the export trade being in the hands of so few, the Government is the only competitor the gum-merchant has." But it is evident from the Report that the Government has no intention of retiring from the business now that the war is over. It owns nearly all the gum-lands, the proper management and utilisation of which, it says, must go hand-in-hand with the production. Moreover, it intends to exercise a better control of the grading of gum for export, and it anticipates much good from Dr. Maclaurin's salt-vacuum process for cleaning low-grade gums, which will shortly be in operation. Extended reference is made to this process, which can be applied to upwards of 3,000 tons of "chips and dust" exported, which usually contain 25 to 75 per cent. of dirt and rubbish. During the year, kauri gum to the value of 10,737*l.* was purchased by the Department, while the sales amounted to 26,882*l.* The whole of this was sold to the United States, as owing to the disorganised state of the varnish and linoleum trades in Great Britain, and the difficulty of obtaining shipping space, there was very little demand for kauri. No serious effort appears to have been made to send supplies to London, in fact until recently the importation to the United Kingdom was restricted under licence. While the New Zealand Government is in control it seems doubtful if kauri will be again offered by public auction in London, and it is evident the Government is and has been pushing business direct with America, where it is naively admitted that the "Government grades of gum are now fairly well established." The Report gives full details of the exports from New Zealand from 1907 to 1918, together with the destinations, from which we take the following figures:

	To N.S.W.	To U.K.	To Germany	Total Exports
	Tons	Tons	Tons	Tons
1907 ...	5,171	2,468	936	8,708
1908 ...	2,855	1,799	667	5,530
1909 ...	5,127	2,290	639	8,250
1910 ...	4,149	3,253	913	8,693
1911 ...	3,514	2,378	1,142	7,587
1912 ...	3,894	2,468	1,053	7,908
1913 ...	3,995	3,390	833	8,780
1914 ...	4,531	3,335	373	8,473
1915 ...	3,312	1,172	—	4,575
Jan. to March, 1916	974	336	—	1,433
Apr. '16 to Mch. '17	3,158	1,484	—	4,862
Apr. '17 to Mch. '18	2,316	363	—	4,636

Canada for the first time was a large buyer last year, taking 1,929 tons direct. It is estimated that the value of the kauri exported since the industry commenced is over 18½ millions sterling, of which approximately 15 millions represents money expended in labour. Much of this

wealth has found its way to Austria, because there were, prior to the war, over 5,000 Austrians employed as gum-diggers. The question of allowing these Austrians (who now prefer to be known as Jugo-Slavs) to return from public relief work, where they now are, to the gum-fields, is being considered by the authorities. Among other matters referred to in the Report are kauri-peat oil (in which it is hoped eventually to establish a successful industry), and the establishment of the flax industry on kauri-peat swamp lands. Altogether the Report is a most interesting one, but it is quite evident that the Government, while it has "saved the situation" for the gum-digger, has practically killed the merchant trade in kauri.

Face-values Difficulties.

THE reply of the Chancellor of the Exchequer (*C. & D.*, June 14, p. 76) to a request for a readjustment of the incidence of the medicine-stamp duty will strike most people as singularly unconvincing. To say that this cannot be done without a repeal of existing exemptions, as suggested by the Select Committee on Patent Medicines, is astonishing when one considers that the duty was doubled without any difficulty being raised about the findings of the Select Committee. The Chancellor seems quite unable to appreciate the fact that, with the rise in cost of ingredients and packages, the rigid limits of the present rates of duty prevent manufacturers from obtaining fair profits and at the same time ensuring living profits to the wholesaler and retailer. If, for example, the threepenny duty covered an article sold at 1*s.* 6*d.*, there would be room for a satisfactory adjustment of prices all round. The matter has a vital bearing on the question of face values, and we suggest that the Proprietary Articles Trade Association endeavour to obtain an interview with Mr. Chamberlain to show him that he has missed the point of the question addressed to him by Mr. R. McNeill.

The Peace Terms.

IN Germany's reply to the Allies' peace terms we notice that she agrees to the option demanded as to dyes, chemicals, and drugs, though objecting to accept price control by the Commission as involving a surrender of business "secrets" as to the cost of manufacture. A continuing option until 1925 is objected to as impairing Germany's financial capacity. The official summary of the Allies' reply to Germany does not contain any direct answer to the objection, beyond disclaiming any desire to obtain trade secrets. In clause iv. of the Allies' reply it is stated that provided Germany abides by the Treaty of Peace, and provided also that she abandons those aggressive and exclusive traditions which have been apparent in her business no less than her political methods, the Allied and Associated Powers intend that Germany shall have fair treatment in the purchase of raw materials and the sale of goods, subject to those temporary provisions already mentioned in the interests of the nations ravaged and artificially weakened by German action. It may be recalled (*C. & D.*, May 10, p. 62) that the draft of the peace treaty said that

The Commission will also have the option of requiring Germany to deliver with a maximum limit of 50 per cent. of the total stock all kinds of dyestuffs, chemicals, and quinine and other pharmaceutical products, this being deducted as usual from the total debt.

Since the above was published no further details have transpired. We understand that negotiations are taking place for the delivery of German chemicals, but whether the Government will indicate the prices they are paying is not settled. Probably the Government will require a profit before the chemicals reach the trade.

RAT-CATCHERS' POISON ALLOWANCE.—Rat-catchers employed by the Surrey County Council are allowed, in addition to their wages and travelling expenses, a sum of 2*l.* a week each for poison, traps, and "other accessories."

CAUSTIC (UNMITIGATED).—Candidate in dispensing at the Qualifying examination, excusing himself to the examiner: "I haven't dispensed so badly for years." Examiner: "You have dispensed before, then?"

Pharmaceutical Society of Great Britain.

North British Branch.

A MEETING of the Executive of the North British Branch was held at 36 York Place, Edinburgh, on June 10, Mr. William Giles in the chair. There were present: Messrs. W. L. Currie, Drummond, Fisher, Forbes, Giles, A. Gilmour, D. Gilmour, Glass, Guthrie, McMillan, Ramsay, Storrar, and Thomson. There were also present: Mr. P. F. Rowsell, Vice-President; Messrs. J. W. Deakin and F. Pilkington Sargeant, members of Council; Sir William Glyn-Jones, Secretary; and Mr. G. A. Mallinson, Assistant Secretary.

The CHAIRMAN, in welcoming the deputation from the Council; congratulated Mr. Rowsell on his election to the office of Vice-President.

The circular letter issued on May 29, intimating the district meetings arranged, was approved of.

RESIGNATIONS.

Letters were submitted from Messrs. Arthur, Cowie, Jack, McKenzie, and Murray, intimating their resignation from the Executive. It was agreed to take no action regarding these letters in respect that all elected members of Executive now ceased to be members in the ordinary course, and the above had intimated their willingness to serve if re-elected for another year.

AN OFFICIAL REPLY.

A letter was submitted from the Minister of Labour in reply to the inquiry as to whether qualified superintendents of bodies corporate, managers of branch shops or bodies corporate, qualified assistants conducting the business of a deceased chemist, or qualified managers of branch shops of pharmacists came into the category of employers or employees in the Whitley Council Report or in the Trade Boards Act. The reply was to the effect that the question could only be determined by a Court of law, and, further, that such persons might at one time be acting in the capacity of an employee and at other times, by authority of the body corporate or other party, be acting as an employer.

ORGANISATION IN SCOTLAND.

The Executive then proceeded to consider, in conference with the Secretary, Sir William Glyn-Jones, the matters of difficulty which had arisen in relation to organisation in Scotland and the setting up of a Scottish District National Drug Trade Industrial Council and the movement which had been initiated for the setting up of a Scottish Pharmaceutical Federation outside and apart from the Society. The President said he considered this a question of very great and serious importance, and after due consideration and consultation with the Secretary of the Society he had resolved, with authority of the Council, to ask Sir William Glyn-Jones to visit Scotland and hold meetings with a view of coming to some clear understanding and discovering some way by which the present difficulties might be overcome.

The SECRETARY then proceeded to discuss the situation in detail, the general effect of his statement being that there is no purpose at all in the published objects of the Scottish Pharmaceutical Federation which are not within the charter objects and powers of the Society. Quoting the first object of the Federation and the clause in the Society's charter relating to the protection of those carrying on business as chemists and druggists, he illustrated the practical impossibility of differentiating the powers and functions of the Society into those which might be called professional and those which might in common language be called trade, and also indicated the inevitableness of overlapping and consequent rivalry between any two bodies acting in these matters in the same area. The first purpose of the Federation was indistinguishable from the charter purpose of the Society, and so in regard to practically all the purposes of the Federation. On one point only did he see the impracticability of the Society accomplishing what the Federation declared to be its intention. That was with reference

to maintaining a fixed standard of prices; but this, he said, was equally impracticable for the Federation. At the same time, there is no objection to trying anything of that kind if chemists so desired. What the Society wants to do is to find out exactly what Scottish pharmacists wish to do in the matter of local organisation in Scotland. The policy of the Council is perfectly clear, and they have no desire to interfere with the management of their affairs in Scotland by Scotchmen themselves. The only possibility of trouble lays in having two bodies on two machines where one would be sufficient, and certainly much more effective. He therefore strongly recommended that the leaders on all sides should endeavour to come together and try to formulate a scheme for the accomplishment of their objects by some Federation, or any other name they cared to use, which would be part of the machinery of the Society. It is the charter right and imperative duty of the Council "to protect the interests of those carrying on business as chemists and druggists," in every aspect of their business in England and Wales, as well as in Scotland, and it is impossible for the Society to abrogate its functions in this respect. He was not in the least surprised that there should be keen disappointment and impatience and a strong desire to make progress. The five years' period of the war had held up all their movements in England and Wales, as well as in Scotland. There is all over the nation, in all departments, a similar feeling of discontent and impatience, which is a healthy sign and one to be welcomed; but there is just a tendency to scrap all existing machinery without first carefully considering whether that is the wisest thing to do or whether the existing machine can be adapted to modern requirements.

After full discussion, the following minute was unanimously agreed to:

That the Executive desire to thank Sir William Glyn-Jones for his convincing explanation of the position and functions of the Society and his indication of the desirability of seeking some reasonable way of uniting all parties in Scotland in carrying out those powers and functions so as to accomplish all that is aimed at by Scottish pharmacists by a scheme within the Society itself as the statutory central body representing British pharmacy. That the Executive should endeavour to find a solution of the present difficulty along the lines of the circular letter of May 16.

The Executive then considered the linking of local organisation in Scotland with local organisation in England and Wales.

Mr. SARGEANT, Chairman of the Local Associations Executive for England and Wales, as a deputy from the Council, explained the scheme of Federation into six areas as now established for the whole of England and Wales. He suggested that if Scottish local associations saw their way to become a part of the scheme, that might be done by creating Scotland a seventh area in the general scheme. There would, of course, be a district Federation of the Scottish local associations with a Local Associations Executive for the Scottish area, and that Executive would deal with all the questions which were distinctively Scottish, and in common with the six territorial areas for England and Wales the Scottish area would appoint representatives for the general Local Associations Executive for the whole of Great Britain. The question of finance was one of importance, as the position in Scotland with reference to National Health Insurance work differs from the conditions in England and Wales.

Mr. DEAKIN, speaking as a deputy from the Council, supported the statement made by Mr. Sargeant.

After full discussion, in which the question of finance was realised to be one of considerable practical importance, it was agreed to recommend that the Executive should undertake to frame a scheme on the lines indicated by Mr. Sargeant, and constituting Scotland a seventh area in the Society's plan of local organisation, and that the question of finance should be carefully considered, with a view to making some suggestion relating to that matter. This scheme when formulated, it would be recommended, should be transmitted to the Council as a basis for further negotiation. This would be a matter to be dealt with by the new Executive, and it was agreed accordingly.

Association Affairs.

Ayr.—A joint meeting of the North and South Ayrshire Pharmaceutical Associations was held on June 11, at which the following pharmacists spoke: Mr. T. Guthrie (member of the Pharmaceutical Council and Chairman of the Scottish Standing Committee), Mr. Murray (Secretary of the Scottish Pharmaceutical Federation), Mr. Anthony McWilliam (Past-President of the Glasgow Association), Mr. Arthur (Secretary of the Glasgow Association), and Mr. G. Shiach Kitchin (member of the Glasgow Pharmaceutical and Standing Committees). Mr. Guthrie said that doubtless his hearers were anxious to know how matters stood between the Pharmaceutical Society and the Scottish Pharmaceutical Federation. He explained how the scheme of Industrial Councils had just been mooted after the inception of the Federation. The Government scheme had been the means of broadening the outlook of some of the Society's representatives, and it had been argued, in London, that there is nothing to prevent pharmacists being represented on the new Industrial Council by, or through, a representative of the Pharmaceutical Society. The statement that it is within the powers of the Society to deal with purely trade matters had altered the attitude of himself and several other pharmacists who had been active in planning the Federation, and they had determined loyally to stand aside and give the Society a fair opportunity to tackle these matters. Some of the keener federationists, however, insisted that this new body should be recognised as the proper organisation to represent Scottish pharmacists in all trade matters. He was pleased to inform his audience that a working agreement had been come to. Mr. Murray and Mr. Harvey stated the position from the point of view of the Federationists, and indicated that, in their opinion, some of the friction might have been obviated by a more conciliatory attitude on the part of some of the Society representatives. Mr. McWilliam and Mr. Kitchin expressed the view that the critical problems which had been thrust on the Society required a more tactful handling and more serious consideration than had been given to them by some of the Federation leaders. In reply to questions, Mr. Guthrie explained various points in connection with Industrial Councils, and indicated the neutral attitude which the Pharmaceutical Council had considered as the best policy in the organisation of pharmacists' assistants. Mr. J. M. McMillan (Ayr) moved a resolution that

This meeting is of the opinion that the Scottish Pharmaceutical Federation should go on consolidating its position whilst negotiations are proceeding.

Mr. Guthrie pointed out that in view of the resolution passed at the Glasgow meeting, there was no room for negotiating. The motion was, however, seconded by Mr. J. McLeod (Kilwinning). It was then suggested that it might help to smooth matters over if all members of the Ayrshire Association would join the Pharmaceutical Society, but Mr. J. Ness (Tarbolton) moved an amendment that "this meeting of Ayrshire pharmacists endorses the resolution come to at Sir William Glyn-Jones' meeting in Glasgow, and pledges itself to support the policy of the Pharmaceutical Society as outlined by Mr. Guthrie." The amendment was carried by a large majority. Mr. Beveridge (Ayr), President of the South Ayrshire Association, who acted as Chairman, proposed a vote of thanks to the Glasgow speakers.

Edinburgh.—About forty members of the Edinburgh Chemists' Assistants' and Apprentices' Association set out on a botanical excursion to Colinton on June 11, under the leadership of the President (Mr. H. Stout, Ph.C.). The return journey was made by Colinton Dell and the Water of Leith. Upwards of twenty specimens, not included in the first ramble (*C. & D.*, June 14, p. 78), were collected, amongst them being *Berberis vulgaris*, *Salix alba*, *Equisetum arvense*, *Valeriana officinalis*, *Lychnis diurna*, and *Vicia sepium*.

Halifax.—A meeting of the Halifax Chemists' Association was held on June 17, the President (Mr. B. C. Hodgson) in the chair. It was resolved that an employers' section of the Association be formed, and deemed inadvisable to alter the rules of the Association limiting membership to employer pharmacists. The question of becoming a branch of the Pharmaceutical Society was discussed, but it was decided to let the matter stand over until after the special meeting of the Pharmaceutical Society in July. The proposed apothecaries' by-law is an obstacle in the way of a definite decision on this question, the members still adhering to the resolution already passed deprecating the proposal. The Pharmaceutical Committee was nominated. The question of a national boycott of unprofitable patent medicines was again considered, and it was decided still to continue the campaign. Offers of support from the Northamptonshire Pharmacists' and the Smethwick Pharmaceutical Associations have already been received, and it was hoped that more Associations would follow suit. Gratification was expressed at the principle of adequate protected profit as outlined in a recent advertisement by Parke, Davis & Co. in *THE CHEMIST AND DRUGGIST*.

London County.—A meeting of the Executive Committee of the London County Pharmaceutical Association was held on June 17, Mr. J. Keall (President) in the chair. Letters from Mr. Hugo Wolf concerning April and May Council meetings and the formation of District Industrial Councils were received, also correspondence from the Early Closing Association. In connection with a letter from the Proprietary Articles Trade Association on stamp-duty, the Committee decided to recommend the District Associations to take action. An animated discussion took place on the Pharmaceutical Society's circulars Nos. 64 and 65. It was agreed that Messrs. John Keall and Arthur H. Jenkin should be nominated as candidates for the Local Associations Executive election and that the District Associations of London be so informed. The report of the Organisation and Trade Sub-Committee was adopted. After discussion on dispensing charges, the following resolution was carried:

That a Sub-Committee be formed, with power to co-opt additional members, to consider the question of dispensing prices and costs with a view to estimating a fair over-head charge for dispensing and to recommend a uniform method of pricing. It was decided to postpone the appointment of members of the Sub-Committee until the next meeting. The report of the Pharmaceutical Insurance Sub-Committee was adopted.

North Staffs. A special meeting of the North Staffordshire Chemists' Association was held on June 13, at which Mr. E. Hodgson Todd presided. The following members were nominated to the Pharmaceutical Committee for the following year: Messrs. R. Prince (Longton), T. C. Cornwell (Hanley), J. A. Dale (Stoke), W. H. Kemp and S. G. Challinor (Fenton), L. W. Piggins (Tunstall), T. Bentley (Stoke), and E. Hodgson Todd (Burslem). Mr. Cornwell strongly protested against the proposed new by-law relating to the admission of apothecaries' assistants to the Register of Chemists and Druggists, and the following resolution was adopted:

That this Association lodges its strongest protest against the action of the Privy Council in pressing the by-law to enable apothecaries' assistants to qualify as pharmacists without examination and trusts that the wishes of the great majority of pharmacists may still prevail to prevent such obvious injustice to those who have spent money, time, and labour to qualify themselves as pharmacists.

Southend-on-Sea.—A meeting of the Southend Association of Pharmacists was held on June 10, Mr. R. H. Shields (President) in the chair. Nomination papers for the election of the Pharmaceutical Committee were received for transmission to Mr. Mallinson, the receiving officer. The Council-meeting report in the "Pharmaceutical Journal" was, in accordance with the rule, considered and commented upon. On behalf of the Summer Outing Sub-Committee, Mr. Lee reported on the possibilities of an

excursion by motor char-à-banc and a steamer trip. It was decided to await the restarting of the "Belle" steamers. With regard to the hours of closing during the summer months, it was pointed out that the Home Secretary's Order under D.O.R.A. is still operative. On Wednesdays the intention is to close from 1 p.m., as during the winter months, and if re-opening occurred in the evening only urgent medicines should be supplied. A letter was received from Boots, Ltd., expressing willingness to place the tapestry room of their café at the disposal of the Association for meetings, and suggesting that a fee of 5s. be paid, on each occasion, the proceeds to be contributed to the Pharmaceutical Society's Benevolent Fund. It was decided that the thanks of the Association be sent to Boots, Ltd., for their offer, which the Association accepted. The meeting then resolved itself into an informal circle, and discussions ensued on the formation of an assistants' association locally, and on trades unionism, which, applied to what was described as the peculiar circumstances of pharmacy, was held to be disadvantageous.

Wolverhampton.—The Secretary of the Wolverhampton Chemists' Association (Mr. J. H. Coleman) called a meeting of the proprietor chemists on June 6, at which it was resolved to form a proprietor section of the Wolverhampton Chemists' Association. Mr. C. M. Warner (President of the Association) was elected *Chairman*; Mr. S. Phillips, *Treasurer*; and Mr. J. H. Coleman, *Secretary*. Messrs. Bowdler, Dunn, Gibson, and Trotter were elected as *Committee*.

Production of Quinine in India.

ACCORDING to the last official Cinchona Report issued by the Government of Madras, the output of quinine rose from 52,513 lb. to 55,014 lb. in the last official year 1917-18. This increased production was accomplished without any addition to manufacturing plants. Considering that the first consignment of cinchona plants was only introduced into India from Peru in 1860, the progress made is satisfactory. The farthing packets distributed by postmen are very popular with all classes, and undoubtedly do great good and allay a vast amount of human suffering in malarious places. The present retail price of quinine has risen to about seven times what the Government are charging for their small packets, and care has to be taken against dealers buying up the small packets with a view of profiting by their resale at higher rates. Satisfactory reports have been received regarding the efficacy of the other alkaloids yielded by the different barks such as quinoidine, cinchonine, and cinchonidine which have been proved in medical use to be only slightly less powerful than quinine. Government plantations only supply about 30 per cent. of factory requirements. During the last twenty years Government have purchased nearly 29 lakhs' worth of cinchona bark from private planters. All the chemicals for the manufacture of sulphate of quinine are produced in India itself, with the exception of caustic soda, which, it is hoped, will shortly be obtainable from hydro-electric stations now in course of construction. The total quantity of bark worked up in India in 1917-18 exceeded one and a quarter million lb., giving 4.59 per cent. sulphate of quinine. This creates a fresh record both for output of quinine and extraction, and reflects credit on the department for the way it carried on its important work during the past year.

The fifty-sixth annual report of the Government cinchona plantations and factory in Bengal for 1917-18 has also been issued, in the course of which it is stated that 224,027 lb. of bark from Mungpoo and 430,066 lb. from Munsong, with average quinine percentages of 4.5 and 4.54 respectively, were used, or a total of 654,093 lb., with a theoretical content of 29,622 lb. quinine sulphate. Actually 29,417 lb. was manufactured, also 8,518 lb. cinchona febrifuge, 1,261 lb. quinoidine, 930 lb. residual alkaloids, and 50 lb. cinchonidine. The 224,027 lb. Mungpoo bark cost 3.6 annas, and the 430,066 lb. of Munsong bark 2.64 annas per lb., together Rs.1,21,367.95. The cost per lb. in the bark of the 29,417 lb. quinine extracted was therefore Rs.4.125. The lowest wholesale rate at

which quinine could be bought in 1917-18 was Rs.26-8 per lb. At this rate the value of 29,417 lb. is Rs.7,79,563 or Rs.5,62,048 more than it cost. Issues of all products were 117,998 lb. 7 oz., of which 98,145 lb. 7 oz. were quinine. Of the quinine, 16,306 lb. 14 oz. were issued as "treatments" at Rs.21-14 per lb., the remainder at Rs.28 to Rs.30 per lb. according to quantities taken. Rates for other products were cinchona febrifuge Rs.5 to Rs.6; cinchonidine and cinchonine Rs.11 to Rs.12; quinoidine and residual alkaloids Rs.4 per lb. The total expenditure was Rs.2,38,276-12-10, and the gross receipts Rs.27,72,916-7-9, of which Rs.21,11,062-12 were credit and Rs.6,60,853-11-9. Of the latter Rs.1,24,090-12-3 of the revenue from sale of "treatments" were credited to the Prison Department for preparation and distribution of "treatments." Net receipts of the Cinchona Department were therefore Rs.26,48,825-11-7, showing a surplus of Rs.24,10,548-14-8. The value of stock is taken at Rs.18,22,396-7-7. The great demand for quinine has reduced the reserve from 165,000 lb. at the end of 1915-16 to 63,248 lb. at the end of 1917-18. It appears from the Report that the valuation of trees, buildings, and machinery in the 1916-17 report was vitiated by a confusion between "rate per unit" and "price per lb." for bark, whereby the unit rate was given as 20.6 instead of the correct 12.37 cents. This excess of over 8 cents or 1½ annas a unit, multiplied by the millions of pounds of bark on the trees containing 2 to 5 units of quinine per lb. raised the valuation of bark on trees and in stock to an inordinate degree about Rs.18 lakhs above the correct market valuation. This excess has now to be cut off, with the result that despite the natural increase in value from bark increment and extensions during 1917-18, the block account shows a heavy "loss" of over 14 lakhs. Even the valuation now shown is an inflated one, based as it is on present abnormal market rates for bark. No sane person (says the report) would offer 14 lakhs for the cinchona trees on Mungpoo and Munsong unless he were certain that the present market rates would endure for the next few years at least. While valuation of bark on trees and of bark and quinine in stock at current market rates is reasonably safe so long as the market is not subject to great fluctuations, it is not safe when rates are abnormally high as at present. The error that vitiated the 1916-17 block account also vitiated that year's profit and loss valuation, to the extent of showing an increase in valuation or "profit" of about 20 lakhs of rupees in excess of the true market valuation. This has now to be corrected by showing a "loss" of nearly 7 lakhs of rupees for 1917-18, despite the fact that the actual surplus was over 24 lakhs. Generally speaking, it would appear that capitalists in India are very chary about investing money in any new industry unless the Government first takes it up and shows that it is profitable. Had the Government of India in 1860 not gone to the cost of importing cinchona plants from Peru, we should have been entirely dependent on other countries for our supply of quinine. And this in a country like India, where more people die every year from malarial fever—a preventable disease—than from cholera, small-pox and plague combined. It was the same with rubber plantations in Burma. Until the Government started a plantation and showed that it was profitable no one took up the industry. There are now about 65,000 acres of privately owned rubber plantations in Burma, where, before the Government showed the way some thirty years ago, there was not a single acre planted with rubber. It will probably be the same with paper. The jungles of Burma and Assam contain hundreds of square miles of bamboo forest from which nearly fifty years ago the late Mr. Routledge showed excellent paper could be made. Yet nothing was done. In Burma especially, most of these bamboo jungles abut on rivers and streams, down which paper pulp might be made on the spot, might be economically transhipped to the seaports, and thence conveyed to Europe or America, or wherever it was required. Nothing can justify the neglect and indifference with which this important subject was treated in the forty years preceding the war. The only advantage in recalling them to recollection should be that they may not be repeated.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Blackburn.—At a meeting of the Insurance Committee held on June 17 correspondence was read respecting the loss, apparently in transit, of a batch of prescription forms, for March 1919, sent by Mr. W. H. Lightbown. It was decided to permit the duplicate scripts in the possession of Mr. Lightbown to be forwarded to the Pricing Bureau. The report that administrative difficulties had arisen in connection with the pricing of repeat prescriptions was considered. It was decided to forward a letter to all doctors and chemists on the panel emphasising that "repeat mixture" must be re-written in full on the first occasion on which it is given in each month.

London.—A meeting of the Pharmaceutical Committee was held on June 10, Mr. G. B. Barnard (Chairman) in the chair. Information was received that the cost of the checking of prescriptions for the year 1919 would be approximately 550%. This figure is subject to modification. The pricing chart received from the Local Associations Executive is to be preserved for future reference. The Committee appointed a qualified accountant to audit the accounts for the year 1918, also two panel chemists to examine the accounts on behalf of the chemists on the London panel. The Secretary's report contained *inter alia*:

(a) Particulars on the coming election of the Pharmaceutical Committee for the year 1919-20. The Committee agreed to appoint Mr. G. A. Mallinson as returning officer.

(b) Comparative statement of Insurance dispensing for the years 1917 and 1918 showing the following averages:

	1917	1918
Average cost of ingredients ...	2.91 <i>d.</i>	3.63 <i>d.</i>
" " fees ...	2.83 <i>d.</i>	3.31 <i>d.</i>
" " per prescription ...	5.74 <i>d.</i>	6.93 <i>d.</i>
" " insured person ...	14.51 <i>d.</i>	19.33 <i>d.</i>

(c) Comparative statement of prices, re-calculated according to the 1915 Tariff basis, which shows that the relative percentage of value for the year 1918 is 94.74, as against 89.35 for the year 1917.

(d) Particulars in respect of February and March 1919 prescriptions as follows:

	February	March
Total value of accounts ...	14,347 <i>l.</i> 12 <i>s.</i> 3 <i>d.</i>	13,847 <i>l.</i> 17 <i>s.</i> 2 <i>d.</i>
" number of scripts ...	381,616	375,050
Average cost per script ...	9.02 <i>d.</i>	8.86 <i>d.</i>
" " prescription ...	6.37 <i>d.</i>	7.55 <i>d.</i>

(e) An extract of a report of the Panel Committee's meeting regarding the Pharmaceutical Service held on May 20 which appeared in the medical Press on May 30, 1919. The Committee expressed their indignation, and strongly deprecated the publication of such a sweeping and groundless statement without substantiation by fact. The Committee decided to forward the extract to the Insurance Committee asking for their observations on the matter.

The Joint Insurance and Pharmaceutical Advisory Committee reported on their work in connection with the Military Service Acts. The Committee thereupon passed a resolution expressing, on behalf of the chemists of London, their appreciation of the arduous work done by the Chairman and members of the Joint Committee, especially recognising the valuable services rendered by the pharmacist members, Messrs. A. H. Jenkin and A. R. Melhuish (members of the Pharmaceutical Council), and W. Borrow Trick, J.P. It was decided to hold a special meeting of the Pharmaceutical Committee to consider the annual report for circulation to panel chemists.—The above mentioned report of the Joint Insurance and Pharmaceutical Advisory Committee states that, prior to September 1918, 1,148 men engaged in chemists establishments were enlisted into His Majesty's Forces. As a result of a final review that month 72 additional men were released, leaving 1,527 as indispensable to the Pharmaceutical Service, most of whom were unfit or over military age.

London.—A special meeting of the Pharmaceutical Committee was held on June 17, Mr. G. B. Barnard (Chairman) in the chair. The draft report and statement of accounts for the year 1918 was, after amendment, passed for printing. The report will be circulated to panel chemists. An urgent matter was raised in connection with a report in the public Press concerning an implied allegation as to the adequacy of the Pharmaceutical Service in the borough of Deptford. The Committee endorsed the action of the Secretary in sending a communication to the public Press on the matter. In connection with a general allegation, made by the Panel Committee (*C. & D.*, June 14, p. 75) the following letter has been received from the Clerk of the Insurance Committee:

Your letter of June 10, 1919, drawing attention to a paragraph which appeared in the medical Press on May 30, 1919, relating to a report of the meeting of the Panel Committee on May 20, 1919, was considered by the appropriate Sub-Committee at their last meeting. At the same time the Sub-Committee had before them a letter from the Panel Committee informing the Insurance Committee of the resolution passed by the Panel Committee urging that "some revision of the method of supplying drugs and appliances is urgently necessary." The Sub-Committee decided to postpone consideration of the Panel Committee's letter, and directed me to inform that Committee that, in their opinion, the Pharmaceutical Service should not be disparaged in the way in which it had been done in the Panel Committee's letter unless the Panel Committee are able to support their statement with satisfactory evidence that the state of affairs indicated by them actually exists. The Insurance Committee do not believe that, as a general practice, chemists do supply short measure, inferior drugs, etc., or that chemists and their assistants are rude to insured persons. The Sub-Committee also directed me to point out to the Panel Committee that no suggestion had been made by them with regard to the lines along which the revision in the method of supplying drugs and appliances should proceed, and they have invited the Panel Committee to furnish them with any suggestion the latter Committee may have to offer in this respect.

Newcastle-on-Tyne.—A panel meeting was held on June 12, at which the nominations for the Pharmaceutical Committee were proceeded with. It was considered best to have each area represented on the Committee if members could be persuaded to stand. The forthcoming joint picnic was discussed, and Jesmond Dene was recommended as a suitable place for the function. Invitations are to be sent out to all Associations in the district, the date to be fixed later.

Nottingham.—The Pharmaceutical Committees (town and country) have recently issued their reports for 1918-19. The points dealt with are the abolition of the War Emergency Formulary; the condition of the Pharmaceutical Service as a result of military requirements; the addition of 0.45*d.* per prescription on establishment charges and the prospect of a further increase; the checking bureau reports. The cost of checking prices amounts to 29*l.* for each Committee.

Sheffield.—A meeting of panel chemists was held on June 16, at which Mr. Culverhouse presided. Major Saville Peck was present as a visitor. The report and balance sheet of the Pharmaceutical Committee were agreed to. The meeting was of opinion that an improved method of nomination for the Pharmaceutical Committee election should be adopted. The thanks of the panel chemists were extended to the retiring Pharmaceutical Committee for services rendered during the war. Mr. Appleton (chemists' representative on the Insurance Committee) was also awarded a vote of thanks. Major Peck, on the invitation of the President, gave an instructive address on the methods adopted by the Pharmaceutical Society to secure proper training centres for pharmaceutical students at the Universities. It was decided to ask Mr. J. Gilbert Jackson to stand as a candidate for the Local Associations Executive.

Wolverhampton.—A meeting of the panel chemists was held on June 3, when the appointment of Mr. Mallinson, as returning officer for the Pharmaceutical Committee election, was approved. A circular will be sent to all chemists on the panel announcing the forthcoming election.

Germany's War Guilt.

THE covering letter which the Allies have sent with their replies to the German counter-proposals for the Treaty of Peace is probably the most trenchant indictment of Germany that has ever been placed before the world. The following quotations are printed as a record:

In the view of the Allied and Associated Powers, the war which began on August 1, 1914, was the greatest crime against humanity and the freedom of peoples that any nation, calling itself civilised, has ever consciously committed. For many years the rulers of Germany, true to the Prussian tradition, strove for a position of dominance in Europe. They were not satisfied with that growing prosperity and influence to which Germany was entitled, and which all other nations were willing to accord her, in the society of free and equal peoples. They required that they should be able to dictate and tyrannise to a subservient Europe, as they dictated and tyrannised to a subservient Germany. In order to attain their ends they used every channel through which to educate their own subjects in the doctrine that might was right in international affairs. They never ceased to expand German armaments by land and sea, and to propagate the falsehood that it was necessary because Germany's neighbours were jealous of her prosperity and power. They sought to sow hostility and suspicion instead of friendship between nations. They developed a system of espionage and intrigue which enabled them to stir up internal rebellion and unrest, and even to make secret offensive preparations within the territory of their neighbours whereby they might, when the moment came, strike them down with greater certainty and ease. They kept Europe in a ferment by threats of violence, and, when they found that their neighbours were resolved to resist their arrogant will, they determined to assert their predominance in Europe by force. As soon as their preparations were complete, they encouraged a subservient ally to declare war on Serbia at forty-eight hours' notice, a war involving the control of the Balkans, which they knew could not be localised, and which was bound to unchain a general war. In order to make doubly sure, they refused every attempt at conciliation and conference until it was too late and the world war was inevitable for which they had plotted and for which alone among the nations they were adequately equipped and prepared.

Germany's responsibility, however, is not confined to having planned and started the war. She is no less responsible for the savage and inhuman manner in which it was conducted. Though Germany was itself the guarantor of Belgium, the rulers of Germany violated, after a solemn promise to respect it, the neutrality of this unoffending people. Not content with this, they deliberately carried out a series of promiscuous shootings and burnings with the sole object of terrifying the inhabitants into submission by the very frightfulness of their action. They were the first to use poisonous gas, notwithstanding the appalling suffering it entailed. They began the bombing and long-distance shelling of towns for no military object, but solely for the purpose of reducing the moral of their opponents by striking at their women and children. They commenced the submarine campaign, with its piratical challenge to international law and its destruction of great numbers of innocent passengers and sailors in mid-ocean, far from succour, at the mercy of the winds and the waves, and the yet more ruthless submarine crews. They drove thousands of men and women and children with brutal savagery into slavery in foreign lands. They allowed barbarities to be practised against their prisoners of war from which the most uncivilised peoples would have recoiled. The conduct of Germany is almost unexampled in human history. The terrible responsibility which lies at her doors can be seen in the fact that not less than 7,000,000 dead lie buried in Europe, while more than 20,000,000 others carry upon them the evidence of wounds and suffering because Germany saw fit to gratify her lust for tyranny by resort to war.

The Allied and Associated Powers believe that they will be false to those who have given their all to save the freedom of the world if they consent to treat this war on any other basis than as a crime against humanity and right.

Justice, therefore, is the only possible basis for the settlement of the accounts of this terrible war. Justice is what the German Delegation asks for, and says that Germany has been promised. But it must be justice for all. There must be justice for the dead and wounded and for those who have been orphaned and bereaved, that Europe might be freed from Prussian despotism. There must be

justice for the peoples who now stagger under war debts which exceed 30,000,000,000. that liberty might be saved. There must be justice for those millions whose homes and land, ships, and property German savagery has spoliated and destroyed.

This is why the Allied and Associated Powers have insisted as a cardinal feature of the Treaty that Germany must undertake to make reparation to the very uttermost of her power, for reparation for wrongs inflicted is of the essence of justice. That is why they insist that those individuals who are most clearly responsible for German aggression and for those acts of barbarism and inhumanity which have disgraced the German conduct of the war must be handed over to a justice which has not been meted out to them at home. That, too, is why Germany must submit for a few years to certain special disabilities and arrangements. Germany has ruined the industries, the mines, and the machinery of neighbouring countries, not during battle, but with the deliberate and calculated purpose of enabling her own industries to seize their markets before their neighbours' industries could recover from the devastation thus wantonly inflicted upon them. Germany has despoiled her neighbours of everything she could make use of or carry away. Germany has destroyed the shipping of all nations in the high seas, where there was no chance of rescue for their passengers and crews. It is only justice that restitution should be made, and that these wronged peoples should be safeguarded for a time from the competition of a nation whose industries are intact and have even been fortified by machinery stolen from occupied territories. If these things are hardships for Germany, they are hardships which Germany has brought upon herself. Somebody must suffer for the consequences of the war. Is it to be Germany or the peoples she has wronged?

Import and Export Regulations

French Relaxation of Import Prohibitions.

THE Board of Trade are in receipt of telegraphic information from H.M. Embassy at Paris to the effect that the French Council of Ministers agreed, on June 3, to the principle of abolishing almost all prohibition on importation into France, and have authorised the competent Ministers to prepare decrees to this end.

Business Correspondence with Germany.

It is announced by the Board of Trade that, as there is at present no direct postal communication between this country and the parts of Germany that are not in the occupation of the armies of the associated Governments, traders should therefore send their letters for those territories, on matters covered by the general licence for the supply of foodstuffs to Germany, through an intermediary in a neutral country.

Trade with Denmark.

The Board of Trade intimate that the Danish Government have now given a general guarantee, which has been accepted by the Associated Governments, that goods imported into that country will not be re-exported to enemy countries. They announce, therefore, that, except for goods on Lists A or B, all restrictions on export to Denmark, whether by freight or by parcel post, have been removed. Exporters should, however, satisfy themselves that the goods are not subject to any Danish import prohibition.

Exports to Sweden.

With reference to the arrangement whereby exporters may now send goods forward to Sweden without obtaining individual guarantees against re-export, the Board of Trade (Export Licence Department) calls attention to the fact that, in cases where consignment is made to an importing association or to the Inter-Allied Trade Committee for account of the purchaser, the latter is obliged to furnish guarantees before taking delivery. When, therefore, goods are despatched, consigned, for instance, to the Inter-Allied Trade Committee for account of the purchaser, the purchaser should immediately be advised, in order that he may furnish the requisite guarantee to the Inter-Allied Trade Committee before the arrival of the goods.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C. 4, June 19, 3 p.m.

BUSINESS has been of a restricted character this week, and the holiday tone has been maintained rather longer than usual. The dominant question is the acceptance or otherwise of the Peace terms by Germany, and this, for the moment, has a restraining effect on business. Wholesale druggists are only giving out small orders waiting more settled conditions. There is a fair amount of speculative activity in Mincing Lane, such articles as star-anise oil, Japanese mint oil, menthol, camphor, and shellac attracting attention. So far as regards prices, markets are devoid of any important feature. In the group of fine chemicals competition is still very keen, especially in aspirin, amidopyrin, benzoic acid, barbitone, caffeine, cocaine, and phenacetin, prices of these showing a downward tendency. Paraldehyde is dearer as the result of an arrangement between British and American makers. Citric acid has had a set-back due to arrivals from overstocked markets. Morphine and codeine are offered at slightly easier rates. Guaiacol carbonate, hexamine, and theobromine have been selling more freely. Photographic chemicals have been in better demand, these including hydroquinone, pyrogallol acid, metol, amidol, etc. Refined slab camphor is again higher and difficult to obtain, while English flowers have advanced a further 1s. per lb. Vanillin is dearer. Among essential oils, star anise meets with a good export demand at a slight advance. Lemon oil has sold more freely on the spot, but is practically unchanged. Japanese dementholised mint oil is firmer, and American peppermint shows more inquiry. Turpentine oil has fluctuated somewhat. Fixed oils, like linseed and rape, are very firm. Almond oil is rather easier. In drugs, cassia fistula has sold to a fair extent. Chinese rhubarb was never so scarce, the first-hand stock being exhausted. Fenugreek and canary seeds are cheaper.

Higher	Firmer	Easier	Lower
Anise oil, star Camphor (Eng. flowers) Camphor (Jap. slabs) Hen-yolk Isinglass Mint oil (Jap. dementh.) Paraldehyde Shellac Vanillin Wood oil (Ch.)	Camphor (Jap. ref.) Lime-juice Menthol Orange oil Pepper	Apricot-kernel oil Citric acid Cloves Cocaine Farina Fenugreek-seed Phenacetin	Almond oil, B.P. Amidopyrin Aspirin Barbitone Benzoic acid Caffeine, pure Canary-seed Citric acid Homatropine Sulpho- carbates

Cablegrams.

NEW YORK, June 13.—Business is fair. Menthol has advanced to \$6.00 per lb. Chloral hydrate is lower at \$1.00. Short buchu-leaves have advanced to \$2.00 per lb.

NEW YORK, June 18.—Business is quiet. Menthol has further advanced to \$6.50 per lb. Mexican sarsaparilla is dearer at 60c., and Canada balsam has advanced to \$9.00 per American gal.

AGAR-AGAR is quiet, with sellers of No. 1 Kobe strip at 2s. 9d. per lb. on spot.

ALBUMEN is firm, with spot sales of Chinese egg at 4s. 6d. per lb., and afloat at 4s. 5d. c.i.f.

ALMOND OIL.—As raw material is now more plentiful English pressers of B.P. oil have been able to reduce their prices, and now quote from 3s. 9d. to 3s. 11d. per lb., the lower price being for 1-cwt. lots. *Essential Oil of Bitter Almonds* has been reduced to 47s. and s.a.p. to 5s. per lb. *Apricot or Peach Kernel Oil* (Persic) is easier and in downward tendency at from 2s. 9d. to 2s. 11d. per lb.

AMIDOL meets with a regular demand at from 17s. to 16s. 6d. per lb., as to quantity.

AMIDOPYRIN has been forced down by competition to 55s. per lb. A fair quantity has been exported.

AMMON. CHLORIDE.—Large crystals in casks are quoted at 70s. per cwt.

ANISE is quoted 80s. per cwt. for Russian and 85s. for Spanish, being unchanged.

ANISE OIL, STAR, meets with a good export demand, and prices have advanced a further 1½d. per lb., with spot sales up to 4s. 10½d. for "Red Ship." To arrive 4s. 9d. c.i.f. was quoted towards the end of last week, but sellers now ask 4s. 10½d. c.i.f.

ANTIMONY.—Home importers have been offering Chinese regulus for near shipment to home ports or Antwerp at about 42l. per ton c.i.f., but buyers are hard to find, while there is plenty of stock available, chiefly under Government control. Dealers quote 41l.-ex warehouse, but English refined stands at 45l. Chinese is scarce, and orders for this are doubtless difficult to place, the price being nominal at 40l. to 45l. Cable advices from Shanghai state that there are no stocks worth mentioning there, and it is thus assumed that most mines have been shut down.

ARSENIC has remained steady, with best Cornish white powder quoted by agents at 35l. per ton delivered London for near delivery. There is not much offering, but the trade demand is quiet. The market looks like holding at about this figure, although the fact is continuously mentioned that the American output was very heavy last year. Arsenic was there turned out largely as a by-product, and this might easily lead to sharp competition in the export trade. In various overseas countries arsenic will probably continue to be produced in fair quantities as a by-product, but otherwise there is not much inducement to work up deposits.

ASPIRIN.—Competition between English and American makers is still very keen, with the result that the price has declined to 3s. 9d. per lb. for quantity and 4s. for small lots. The consumption seems larger than ever.

BARBITONE has met with a substantial decline owing to the lack of demand, and 35s. will now buy on the spot.

BELLADONNA-ROOT.—Slow of sale at from 2s. 6d. to 2s. 9d. per lb. for .05.

BENZOIC ACID, ex toluol, still continues to decline in value, offering at 4s. 9d. per lb. The price is likely to go appreciably lower as the home production increases.

BERGAMOT OIL shows a slight recovery in some quarters, from 19s. to 19s. 9d. per lb. c.i.f. being quoted.

CAFFEINE.—One of the importers has reduced the price of the imported pure crystals to 30s. per lb.

CAMPHOR.—Refined is very difficult to procure, and for Japanese 2½-lb. slabs up to 14s. per lb. has been paid, with sellers of parcels afloat at 13s. 9d. and June-August shipment at 13s. per lb. c.i.f.; ¼-oz. tablets have been sold at 15s. on spot. English flowers have advanced a further 1s. to 13s., with supplies available to regular consumers only.

CANARY-SEED is lower at 180s. to 185s. per quarter for ordinary to good Morocco on the spot.

CARAWAY-SEED is selling at 115s. to 117s. 6d. per cwt. for Dutch on the spot. Morocco and Tunis are quoted sellers at 100s., but no business is reported.

CARDAMOMS.—Decorticated seed has been selling freely from second-hands, including 3s. 9d. for Bombay.

CASSIA FISTULA has been dealt in to a fair extent from second-hands at 150s. per cwt.

CELERY-SEED is quiet at 170s. per cwt. for French on the spot.

CHAMOMILES.—Some small arrivals of Belgian have taken place, but new crop is not due until August. Last year's crop is offered at 210s. per cwt.

CHLORAL HYDRATE is unchanged at 6s. 9d. per lb. for duty-paid crystals, with a good consumptive demand.

CHLOROPHYLL.—American soluble in oil is quoted at 28s. per lb.

CINCHONINE SALTS.—There is a good inquiry for the minor alkaloids of quinine, but supplies are somewhat scarce. A

limited quantity of cinchonine sulphate is available at 1s. 6d., and hydrochloride at 1s. 10d. per oz. on the spot.

CITRIC ACID.—A fair quantity appears to have been re-shipped from Australia, showing that that market is overstocked, with the result that prices, which were showing an advancing tendency, have received a set-back, business having been done at from 4s. 4d. to 4s. 3½d. per lb.

CLOVES are quiet and easier, fair Zanzibar offering at from 1s. 2½d. per lb.; to arrive June-August shipment is quoted at 1s. 1d. per lb. c.i.f.

COCAINE.—Competition has forced down the price of hydrochloride to 27s. to 28s. per oz. The home trade demand is exceptionally quiet.

COCONUT OIL.—Cochin is firm at 95l. per ton on the spot, and August-September shipment 94l. c.i.f.

CODEINE.—Pure crystals can be had at 27s. per oz. in fair quantities.

COD-LIVER OIL.—Our Bergen correspondent writes on June 10 that the official report of the cod-fishing gives the following results up to June 7:

	1917	1918	1919
Catch of cod (millions)	... 24.8	23.2	28.6
Yield of c.l.o. (hect.)	... 34,100	19,300	34,500
Liver for "raw" oils (hect.)	... 4,900	13,400	4,900

COPPER SULPHATE.—The tone is firm so far as home makers are concerned, while the position has been affected by the recent further sharp advance in the price of metallic copper. It is reported that a few large orders were recently negotiated through merchants for Italy, the quantities mentioned being a few thousand tons, but it is possible that this sulphate is intended for diversion elsewhere. The export demand is now apparently quiet, and foreign competition plays a certain part in keeping down prices. The f.o.b. price from Liverpool is nominally 48l. per ton, less 5 per cent. in casks. During the war period American makers at times cut prices considerably for Spain, and a repetition of this seems apparent. There is a fair home demand for home farm use at 45l. delivered f.o.t.

CORIANDEER-SEED.—Old-crop Morocco has been sold at 27s. per cwt., being firm, but last year's crop is more freely offered, and is nominally worth about 30s. per cwt.

CREAM OF TARTAR.—More inquiry is reported in certain quarters, but the general home demand seems to have been permanently affected by the use of substitutes; 98 per cent. powder can be had at from 230s. to 240s. per cwt.

CUMIN-SEED is steady at the recent rise. Sellers are holding for 52s. 6d. per cwt. for good sifted Morocco.

DILL-SEED is slow at 29s. per cwt.

EGG PRODUCTS are dearer. Chinese hen liquid yolk (2 per cent.) for April-June shipment is quoted at 140s. and July-August 130s. per cwt. c.i.f. Dried whole on the spot 3s. 6d. and afloat 3s. c.i.f. Dried yolk on the spot is 2s. 6d., and for June-July shipment 2s. 1d. c.i.f. has been paid.

FARINA is slow and easier, with No. 1 Japanese offering at 45s. to 46s. per cwt. on the spot, and afloat at 44s. to 45s. Sweet-potato flour is cheaper, with spot sellers at 37s., and May-June shipment at 37s. c.i.f.

FENNEL-SEED is still quoted 40s. per cwt.

FENUGREEK-SEED is rather easier, with sellers at 21s. 6d. per cwt. for fair Morocco on the spot.

GALLIC ACID is in slightly better demand at about 6s. per lb.

GENTIAN is quiet at from 50s. to 55s. per cwt. on the spot.

GLYCERIN.—The tendency owing to the rise in fats is towards an advance. The present price of chemically pure double-distilled, s.g. 1.260, is 111s. 6d. per cwt. naked, in 10 to 12 cwt. lots in 5 cwt. drums (extra). In cases of 4 by 28 lb. tins (packages free) 131s. is quoted.

GUAIACOL CARBONATE has been in better demand for export, which has helped to lighten the existing stocks; price is unchanged at about 32s. 6d. per lb.

HEXAMINE is selling rather more freely on the spot at from 5s. 9d. to 5s. 6d. per lb.

HOMATROPINE SALTS are obtainable at reduced prices in view of the recent decline in atropine. Hydrobromide is offered at 170s., hydrochloride at 177s. 6d., and the pure alkaloid at 222s. 6d. per oz.

HONEY.—There is a small trade passing at steady prices.

HYDROQUINONE.—Spot stocks are being depleted, but further consignments are afloat and landing. The price still remains at 11s. to 10s. 6d. per lb.

INSECT-FLOWERS are scarce on the spot. For closed Dalmatian flowers to arrive from 190s. to 210s. per cwt. c.i.f. is quoted.

ISINGLASS.—At auction on Tuesday the moderate supply of 954 packages offered and practically all sold at higher prices. Bombay leaf was 3d. to 6d.; Maracaibo 3d., and Brazil 3d. per lb. higher. West Indian and Penang were also dearer.

LEMON OIL is meeting with a better consumptive demand on the spot at from 4s. 6d. to 5s. per lb. for good brands. Sicilian shippers are still endeavouring to advance prices, quoting forward shipment at 4s. 4½d. to 4s. 6d. per lb. c.i.f.

LIME-JUICE continues in brisk demand; and prices are tending firmer, good raw West Indian being worth 3s. per gal.

LIME OIL.—West Indian distilled continues quiet, and for quantity 4s. per lb. could be shaded.

LINSEED OIL.—The position has remained tight owing to the pronounced dearth of offers, the spot price being 120l. per ton naked, but forward positions are the turn easier, with July-August standing at 108l. 10s. Seed prices are still strong at full rates, and crushers therefore remain reticent against forward speculative inquiries.

LIQUORICE-JUICE.—Good Sicilian block is selling on the spot at 275s. per cwt.

LITHIA CARBONATE is in slightly more inquiry, and the price is now more stable at from 9s. to 3s. 6d. per lb. on the spot.

MENTHOL is rather firmer, with spot sales of Kobayashi-Suzuki at from 25s. to 25s. 6d. per lb., closing at the higher price.

METOL is offered at from 55s. to 60s. per lb., as to quantity.

MULK-SUGAR is quite unchanged at 1s. 7d. to 1s. 8d. per lb. Some important export orders have lately been concluded.

MINT OIL.—Japanese dementholised is dearer, with spot sales of the favourite brands at from 5s. 10½d. to 6s. per lb. Near at hand has been sold at 5s. 7½d. per lb. c.i.f., sellers asking 5s. 9d. c.i.f.

MORPHINE.—Hydrochloride is offered at 17s. 9d. per oz. in fair bulk quantities.

ORANGE OIL is rather firmer, offering at from 11s. to 13s. per lb. c.i.f.

PARALDEHYDE.—The keen cutting between makers appears to have come to an end, as it is now reported that an arrangement has been made by the British and American manufacturers, with the result that a scale of prices has been fixed, varying from 6s. down to 5s. per lb., as to quantity. A favourable moment has been chosen for this operation, as there is little left in second-hands.

PEPPER is dearer, the spot value of fair black Singapore being 11½d. per lb., and to arrive the sales include May-July shipment at 10½d., June-August and July-September at 10½d. to 10¾d. c.i.f. Tellicherry is dearer at 1s. 0¼d. and Aleppy 10¾d., both spot. White pepper is also dearer at 1s. 5½d. for Muntok and 1s. 4¾d. for Singapore on the spot, with sales thereat. For June-August shipment sales of Muntok have been made at 1s. 4¾d. to 1s. 4½d. per lb. c.i.f.

PEPPERMINT OIL.—American tin oil has shown more inquiry at from 41s. to 40s. per lb. for the leading brands. Improved conditions in the confectionery trade are noted in this respect.

PETROLEUM-JELLY is not quite so plentiful at the moment, owing to the increased interest shown; from 40s. to 90s. per cwt. is quoted, the latter for snow-white.

PHENACETIN.—The supplies which have arrived have induced more competition, 13s. per lb. being quoted, and slightly less for quantity.

PHENAZONE.—Supplies are coming forward slowly owing to the more stringent regulations adopted, and it is not unlikely that the spot price may improve, as the demand continues good. The rather wide margin of 27s. 6d. to 30s. per lb. is quoted.

PIMENTO is quiet, with spot sellers at 5½d. per lb.

PYROGALLIC ACID.—There is more inquiry for photographic chemicals of all kinds. Crystals are offered at 11s. to 10s. 6d. per lb., and resublimed at from 14s. to 13s. 6d.

QUICKSILVER.—While the market on the whole is quite firm prices are rather divergent. Whereas it is understood that purchases can be made at 18l. per bottle from the larger importers, quotations elsewhere are still maintained at 18l. 10s. up to 19l. The market in the United States is reported very firm, with the price rather above \$90 per flask in New York, which, however, requires confirmation. An arrival of 5,000 flasks has taken place from Seville this week.

RAPE OIL is firm at 98l. to 100l. per ton naked for crude and 103l. to 104l. for refined.

RHAPONTICA.—Fair round Chinese is offered at from 1s. 4d. to 1s. 6d. per lb.

SACCHARIN.—The export demand continues good, and this is helping to absorb some of the large consignments which came to hand. Prices are as given last week. The May imports were larger and the home deliveries less.

	1917	1918	1919
	Oz.	Oz.	Oz.
May imports ...	40,256	156,352	480,316
Jan.-May ditto ...	214,530	703,563	1,068,479
Home consumption (May) ...	28,790	141,645	27,795
Jan.-May ditto ...	199,414	643,166	161,441
Re-exports (May) ...	480	—	14,944
Re-exports Jan.-May ...	3,052	40	15,533

SALICYLIC ACID is unchanged at 1s. 6d. per lb. for English make of B.P. quality. As previously notified, there seems little ground for a reduction in price, especially as raw materials in the United States show a firmer tendency. This also may affect salol in its turn.

SHELLAC has ruled firm throughout, the usual standard quality of TN Orange selling at from 340s. to 345s.; fine Orange is 390s. to 400s., AC blocky 275s., and G.A.L. 260s. per cwt. Fine Orange has been sold at 335s. to 350s. c.i.f., and pure Button at 350s. Futures show little change, the sales including August delivery of TN at from 336s. to 345s., and October 340s. to 348s.

SILVER SALTS meet with a good export inquiry. The proteinate is selling at 1s. 4d. to 1s. 6d. per oz. and the nucleinate at 2s. 9d.

SLEPERY-ELM-BARK is offered at 1s. 1d. per lb. on the spot.

SODA HYPOSULPHITE.—Pea crystals offer at a wide range of prices, varying from 25s. to 30s. per cwt., as to quality. There appears to be little prospect of hypo. being cheaper.

SODA SALICYLATE is steady and in constant demand at from 2s. 9d. to 2s. 6d. per lb. for powder.

SPARTEINE SULPHATE.—The consignments from Paris are absorbed as rapidly as received at from 25s. to 22s. 6d. per oz.

SULPHOCARBOLATES.—Both soda and zinc are offered at 2s. per lb., being cheaper.

SULPHUR.—It is reported that the Government has removed the control from sulphur, but at the same time no official notification appears to have been issued. It is assumed that they hold a fairly large stock of Sicilian, the price quoted for flowers in quantity being 32l. and roll 28l. per ton. Many complaints have been made by buyers in regard to the quality and the condition of the packages of the sulphur delivered by the Government, flowers purchased from them not being of the usual fine smooth powder, but containing lumps.

TANNIC ACID.—Fair supplies of B.P. *leviss* have been booked to come forward, and more competition will prevail; 9s. to 9s. 6d. per lb. is quoted, and 8s. 6d. to come forward.

TARAXACUM.—English is offered at 85s. per cwt.

TARTARIC ACID meets with a good seasonable demand, and the market is firm at 3s. 3½d. per lb.

THEOBROMINE.—Some important business has been done. The pure alkaloid is quoted at 35s. per lb. on the spot and the sodium salicylate at 18s. 6d.

THYMOL has shown signs of a revival after a spell of inactivity, and genuine Indian has been sold at about 30s. per lb.

TURPENTINE.—Prices have fluctuated somewhat from the top lately recorded. Spot delivery has been selling at 105l. to 104l. per ton, with a fairly active demand. Delivery within the second half of the year is quoted at about 89l. Speculation in America has been lively, new high record prices having been reached there, and consumers, although confining their purchases to actual requirements, are entirely in the hands of big dealers. Crop developments are uncertain, although the abnormally high prices should tend to encourage distillers' operations. Cheaper substitutes should be attracted at current rates, as shipments of the genuine spirit are still restricted.

VALERIAN.—Belgian is offered at 210s. per cwt.

VANILLIN.—Most of the cheap second-hand parcels have been absorbed, and it would probably be difficult to buy from the makers at below 47s. 6d. per lb.

WAX, VEGETABLE.—Japanese is steady, with spot sellers at 75s. per cwt.

WOOD OIL.—Chinese is dearer at 107s. 6d. per cwt. on spot, and to arrive 104s. c.i.f. is quoted.

Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at the ports named;

London

(June 10 to 16).

Agar agar (Jp.), 10 cs.
Alcohol (Natal), 34 drms.
Almonds (Fr.) 724 bgs.
171 sks., (Sp.) 500 bxs. 124 bgs. 200 cs., (Port.) 186 cs. 99 bgs.
Barytes, (N.Y.) 172 brls., (Sp.) 800 sks.
Bismuth ore (Ch.), 112 bgs.
Casein, (Fr.) 133 sks., (Aust.) 68 crts.
Chemical products, etc., not described (Fr.), 60 cks. 23 cs. 45 pkgs.
Acetic acid (U.S.) 136 brls.
Ammon. phosph. (N.Y.), 104 brls.
Argol, (Port.) 202 bgs., (It.) 117 bgs.
Arsenic (Port.), 62 cs.
Barium carb. (N.Y.), 20 bgs.
Boric acid (N.Y.), 505 pkgs.
Bromides, soda (N.Y.), 10 kgs.; ammon., 20 cs.
Calcium carbide (Mont.) 6,480 drms.
Citric acid (Aust.) 300 kgs.
Copper iodide (Jv.), 51 brls.
Coumarin (N.Y.), 4 cs.
Hexamine (N.Y.), 22 pkgs.
Hydroquinone (N.Y.) 5 cs.
Ichthylol sub. (Jp.), 20 cs.
Iodine (Jp.), 40 cs.
Lead, white (N.Y.), 242 cks.
Milk-sugar (N.Y.), 100 brls.
Phenolphthalein (N.Y.), 5 cs.
Phosphoric acid (U.S.), 200 bxs.
Potash chloride, (R'dam) 450 bgs.; Potash iodide (Jp.), 80 cs.
Pyrogallal acid (New York), 5 cs.
Quinine sulph. (Jv.), 2,105 cs.
Soda bicrom. (N.Y.) 17 brls.
Soda caustic (N.Y.), 17 drms.
Tannic acid (N.Y.) 28 brls.
Terpineol residue (N.Y.), 30 drms.
Zinc oxide (N.Y.), 2,050 brls.
Drugs, crude: leaves (Fr.), 134 bgs.; roots, barks, etc.; (N.Y.) 133 pkgs. 100 bxs. 184 bls. Aloes (N.Y.), 160 cs. Benzoin (S'pore), 130 cs.
Camphor, (Jp.) 763 cs., (Fr.) 50 cs.
Caraway seed (R'dam), 368 bgs.
Cardamoms, (Cey.) 178 pkgs., (B'bay) 33 cs., (N.Y.) 284 cs.; seed (Cey.), 7 cs.
Cassia fistula (Amst.), 43 bskts.
Chaulmoogra oil (E.I.), 10 cs.
Cinchona (Jv.), 4,718 bls.
Civet (Aden), 1 cs.
Cubebs, (Jv.) 6 bgs., (Amst.) 5 bgs.
Galls (B'bay), 270 bgs.

Liquorice paste (Sp.) 75 cs.

Liquorice-root (It.), 43 pkgs.

Menthol (Jp.), 125 cs.

Myrrh, (B'bay) 40 bgs., (Aden) 13 bgs.

Opium (B'bay), 2 cs.

Rhubarb (Fr.), 20 bgs. 3 bils.

Senega (N.Y.), 9 bils.

Drugs, medicines, etc.; not described, (N.Y.) 885 pkgs. 425 cs.; bovine (N.Y.), 100 cs.; bromo-seltzer, (N.Y.), 160 brls.; Fellows syrup (N.Y.) 406 cs.; fig syrup (U.S.), 8,999 cs.; meat juice (U.S.), 300 pkgs.; plasters (N.Y.), 51 cs.; vaseline (N.Y.), 2,713 cs.

Dyes, dyeing and tanning materials, etc.; dyes, not described (N.Y.), 100 cs. 6 drms.; tanning extract (S'pore), 2,000 bgs.; bismatin (N.Y.), 13 brls.; logwood ext. (N.Y.), 100 brls.; myrab. (Bom-bay), 500 bgs.; sumac (It.), 500 bgs.; wattle ext. (Natal), 1,995 bgs.

Egg products: albumen (Ch.), 318 cs.; whole (dried) (Ch.) 264 cs.; (liquid) 242 brls.; yolk, liquid (Ch.), 1,551 cs. 50 cks.; yolk, liquid and albumen (Ch.), 18 cs.

Gelatine, (R'dam) 40 bgs., (Fr.) 149 bls., (Cape) 29 bgs.

Glucose (N.Y.), 4,020 bgs. 2,129 brls. 750 cs. 515 × ½ brls.

Gums, resins, etc.; gums not described, (B'bay) 57 cs. 654 bgs., (S.S.) 505 cs.; copal, (N.Y.) 100 cs., (Amst.) 68 bskts., (S'pore) 70 cs.; damar (S'pore), 50 cs.; karaya (B'bay), 231 bgs.; lac, shell (Fr.), 300 bgs.; resin, (Fr.) 596 brls., (Ch.) 2,885 brls.

Lithopon (U.S.), 952 brls.

Oils, essential, not described, (R'dam) 2 cks. 8 cs., (N.Y.) 25 cs.; cajuput (Jv.), 15 crts.; cinnamon (Cey.), 73 cs.; citronella (R'goon), 17 crates 32 cs. 32 drms.; geranium (Fr.), 8 cs.; mint, (N.Y.) 5 cs.; (Jp.) 425 cs.; sandalwood oil (B'bay), 245 cs.; turpentine, (U.S.) 10,450 brls., (Ch.), 1,275 cks.

Oils, fixed: cocoa butter (N.Y.), 1,254 bls.; coconut, (N.Y.) 600 brls., (R'dam) 2,405 brls., (Amst.) 887 brls., (Cey.) 262 cks. 135 pps. 10 pns., (Holl.) 150 brls., (Jp.) 3,000 cs.; cottonseed (R'dam), 1,433 brls. 467 drms.; olive (Fr.) 453 cs. 47 brls. 156 cks., (Sp.) 70 cs. 300 brls.; palm (R'dam), 925 brls.; peanut (Ch.), 150 cs.; rape (R'dam), 635 brls.; soya (Jp.),

21,000 cs. 1,000 brls.; whale (Cape), 244 drs.; wood (Ch.), 303 cs.

Perfumery (Fr.), 45 cs.

Quicksilver (Sp.), 5,000 bottles

Seeds: apricot kernels (Ch.), 317 bgs.; canary (Fr.), 200 bgs.; cashew nuts (B'bay), 67 cs.; castor (Jv.), 786 bgs.; copra, (S'pore) 5,878 bgs. groundnuts, (Ch.) 1,986 bgs., (kernels) 352 bgs. (W. Af.), 2,425 tons; hemp (Jp.), 1,050 bgs.; illipe nuts (S'pore), 1,111 bgs.; lin (E.I.) 24,129 bgs.; millet (N.Y.), 265 bgs.; mustard (Chagen), 105 bgs.; palm (Aust.), 671 cs.

Spices: cinnamon (chips), (Cey.) 330 bales, (Natal) 28 sks.; cloves, (E.I.) 100 bbls., (B'bay) 243 bbls., (S.S.) 10 cs.; ginger (E.I.), 159 bgs.; mace (Jv.), 256 cs.; nutmegs (S.S.), 50 cs. 13 bils.; pepper, (N.Y.) 205 bgs., (S'pore) 1,450 bgs., (Jv.) 120 bgs., (E.I.) 576 bgs., (Bom-bay) 480 bgs., (Cey.) 204 bgs.

Sponges (Tunis) 541 bls., (N.Y.) 43 bils.

Starches, farina (Jp.), 6,070 bgs. 224 cs.; wheat (U.S.), 3,250 cs. 5,900 bgs. 75 brls.

Vanilla, (Fr.) 54 cs., (Aust.) 5 cs., (Natal) 5 cs.

Wax, not described: (Fr.) 1,357 pkgs., (U.S.) 618 brls.

Wax, bees' (Ind.), 26 cs.

Wax, paraffin (N.Y.), 1,200 brls. 992 bgs.

Liverpool

(June 7 to 14).

Almonds (Sp.), 50 pkgs.; Chemical products, etc.; Bromides, soda (N.Y.), 20 cs.

Formic acid (Fr.), 18 cks.

Lactic acid (N.Y.), 3 cs.

Mangan. dioxide (Jp.), 170 mts. 340 bgs.

Saltpetre (E.I.), 2,000 bgs.

Soda chlorate (Fr.), 480 bgs.

Tartar (Sp.), 24 brls.

Dextrin (N.Y.), 4,390 bgs.

Drugs, crude: Cinchona (Mollendo), 195 bls.

Condurango (South Amer.), 250 sks.

Ipecacuanha (Bahia) 23 bls.

Kola (W. Af.), 223 bgs.

Liquorice paste (Smyr.), 11 cs.

Opium (Ikv.), 25 cs.

Quillaia (S. Amer.) 495 bils.

Saffron (Sp.), 1 box

Sarsaparilla, (N.Y.) 15 pkgs., (W.I.) 3 pkgs.

Yohimbe bark (W. Af.), 58 bgs.

Dyes, dyeing and tanning materials, etc.; tanning extract, (U.S.), 233 brls., (W.I.) 400 pkgs.



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

The Unjust By-law.

SIR,—At a private meeting of the Council of the Pharmaceutical Society held on Wednesday, June 18, information was disclosed to the effect that a number of members of the Society, and particularly those members who are Ucalites, purposed to attend the special meeting, to oppose the new by-law relating to apothecaries' assistants. As this right on the part of any member of the Society to attend a general meeting of the Society has been interpreted by the permanent officials to mean that it will be a "packed" meeting to oppose the new by-law, it was suggested at the Council meeting that a circular letter should be sent out to every member of the Society, pointing out that, prior to the general meeting, there would be a private meeting at which the full facts of the case would be disclosed. This unnecessary and expensive method of so "packing" a meeting as to ensure that the official view should find favour in the eyes of the members was accepted by the Council in spite of a vigorous protest from the undersigned members. We desire to put on record our disapproval of such a method of "packing" the meeting, and we sincerely hope that every pharmacist who is opposed to the dilution of his qualification will not fail to attend the special general meeting, which will be held at the Memorial Hall, Farringdon Street, London, E.C., on the afternoon of July 2, at 3 o'clock.

Yours faithfully,

FRANK G. HINES.
HERBERT SKINNER.
HUGO WOLFF.

SIR,—Apart from the injustice of the proposed measure, those of us who have been pharmacists for years appreciate how detrimental it would be to public safety. To emphasise this, let us consider the number of fatalities during the last five years due to carelessness or inexperience of dispensers, and the conclusion is obvious. The dispensing under the military authorities has been responsible for several fatalities, while in civil practice, where pharmaceutical qualification is necessary, the number is negligible. Need one say more?

Yours truly,

R. E. E. (189/4.)

SIR,—Although a registered chemist and druggist for twenty years, I have been a member of the Pharmaceutical Society for not more than four years; and even then, I only joined out of cussedness, because I was constantly being jibed at and told that I had no right to criticise if I were not willing to help to make right what I considered wrong. Believing that no one has a right to expect work done for him that he ought to do himself, I want to point out the necessity for action on the part of all those who object to this new by-law. The public—or general meeting—of July 2 will probably settle the matter, and, so far as I can see, the majority of the members of the Council will argue and vote in its favour. Will such action represent our views? If it does not represent the majority then representation becomes a farce. Believing that it does not carry that representation, it is the bounden duty of every member either to attend that meeting and vote against the by-law, as I shall do, or write directly to the Secretary solely to register a vote against it. Surely that would be in order. If not, a demand should be made for a direct vote on this subject such as obtains when new members of the Council are elected. Membership certainly stimulates interest in the actions of the Council—presumably in one's interests. I disagree with so much of it that my interest is stimulated to the extent of being willing to take a hand in altering it by expressing here and now a willingness to contest a

fustic (W.I.), 93 pkgs.; gambier (W. Af.), 33 bgs.; indigo (W.I.), 16 pkgs.; orchella (S. Amer.), 223 bls.; quebracho (wood) (S. Amer.), 41,414 bgs. (extract) 2200 bgs.; valonea (Smyr.), 115 tons.	cinnamon chips (Cey.), 100 pkgs.; cloves (B'bay), 106 bgs.; ginger (W.Af.), 111 bgs.; pimento (W.I.), 1,174 pkgs.	wheat (N.Y.), 534 sks.
Egg products: albu- men (Ch.), 98 cs.; yolk (Ch.), 119 brls.	Starch, wheat (U.S.), 3,846 bgs., 8,413 pkgs.	Manchester (June 5).
Glucose (Mont.), 100 brls.	Wax, bees' (W. Af.), 3 cs., (S. Amer.) 91 sks.	Caraway seed (R'dam), 80 bgs.; glucose (U.S.), 120 brls.; lithopone (R'dam), 200 cks.; oxalic acid (R'dam), 13 cks.; paraffin, liquid (medicinal) (N.Y.), 500 cs.; starch, wheat (U.S.), 3,333 bxs.; wax, paraffin (N.Y.), 1,019 cs.; (scale), 6,800 brls.
Oils, essential: not described, (N.Y.) 15 cs., (Holl.) 3 cs. 2 carboys; otto of rose (Tky.), 1 cs.	Wax, carnauba (B'zil), 174 pkgs.	Runcorn (June 5).
Oils, fixed: cocoa butter (Holl.), 114 bls.; coconut, (S'pore) 572 pkgs., (Cey.) 354 pkgs.; groundnut (Ch.), 150 cs.; palm (W. Af.), 6,739 cks.; soya (S'hai), 1,000 cs.	Folkestone (June 9 to 13).	Southampton (June 7 to 14).
Seeds: copra, (S.S.) 1,645 bgs., (W.A.) 726 pkgs., (W.I.) 650 pkgs.; cotton (S. Amer.), 20,959 sks.; groundnuts, (Ch.) 632 bgs., (W. Af.) 1,045 pkgs., 2,786 bgs., 3,494 tons, (S'p.) 120 bgs., (U.S.) 1,199 bgs.; lin (E.I.), 4,970 bgs.; millet (Alex.), 3 bgs.; palm kernels (W. Af.) 92,450 bgs.; rape (E.I.), 9,105 bgs.	Glasgow (June 5).	Whale oil (Shet. Is.), 15,800 brls.
Spices: cassia (Ch.), 1,520 cs.; chillies (W. Af.), 45 bgs.;	Barytes (U.S.), 191 brls.	Runcorn (June 5).

Cinnamon.

Ceylon is still the principal source of supply for cinnamon, although it is now also grown in British India, Brazil, Uganda, Reunion, and Cape Verde. The cultivation of cinnamon was introduced into Java in 1828. The first yield of bark is obtained from plants of two or three years' growth, and the maximum yield is afforded by trees nine years old. The bark is removed when its surface shows an ash-grey colour. On removal the bark is moistened to facilitate the following operations, which consist in removing the dirt from the outside surface, whereupon three layers of bark are laid on each other, the wettest outside, and the whole is rolled to form a bundle; these bundles are then covered by mats and allowed to dry in the sun. In a few days the bundles lose 60 to 70 per cent. of their original weight. The finest qualities contain from fifteen to twenty bundles per pound, others ten to fifteen bundles. The best quality is that taken from the middle portions of the branches, while the parts nearest the root yield an inferior quality. The broken bits of bark are collected—cinnamon-chips—and are used as a substitute and for preparing cinnamon oil. Three qualities of essential oil of cinnamon are known; the oil obtained by steam distillation of the leaves contains 70 to 90 per cent. of eugenol, while that obtained from the bark of the stem and branches, while possessing a powerful odour of cinnamon, contains 70 to 75 per cent. of cinnamon aldehyde and only 4 to 8 per cent. of eugenol. The oil obtained from the bark of the root possesses a camphoraceous odour, and contains a certain proportion of camphor, corresponding on the whole with the properties of Japanese camphor. The Report of the Colonial Department gives the following figures of the exports of cinnamon bark from the Dutch East Indies (in kilograms):

Exports to—	1913	1915	1917
Holland ...	1,557	—	—
U.S.A. ...	1,797	—	1,224
Penang ...	7,300	9,915	3,645
Singapore ...	48,155	30,262	25,030
Hongkong ...	—	—	494
Philippines ...	—	—	2,162
Total ...	58,809	40,177	32,555

seat on the Council at the next election. I am not unknown in London, though a Midlander, and lest our country members harbour the suspicion that London wishes to predominate, I state that I am not particularly interested in London: geography does not count here, but I am interested in pharmacy, in the welfare of pharmacists, and the protection of the public. And, while I should keep an open mind on all matters, the probabilities are that I should, if elected, work with Messrs. Hines, Skinner, and Wolff.

Yours faithfully,

Enfield Wash.

GEORGE F. CORRALL, M.P.S.

SIR,—At a recent meeting of the South Wales and Monmouthshire Federation, Sir William Glyn-Jones assured the members present that the number of apothecaries' assistants eligible for the free qualification was "X.Y.Z." He had arrived at this figure after careful analysis, and he further enlarged upon the fact that they would naturally be middle-aged or elderly men, and that very few, if any, would be likely to commence in business for themselves. If that is so, may I ask what use the certificate will be to them? Is it credible that the Apothecaries' Hall has fought for all these years to get "X.Y.Z." of their elderly assistants recognised as qualified pharmacists? Is it credible that drug-store proprietors and others are not also out on the quest for a gratuitous certificate, and have they not repeatedly pressed for it? Is it credible that, once the portal is forced and a precedent created, the invasion will cease at these "X.Y.Z." assistants? In connection with a question in Parliament about apothecaries' assistants, the Pharmaceutical Society's official organ stated: "It is understood that Sir H. Brittain has raised the matter in the interests of dispensers in certain Government clinics which are not in the recognised list of institutions." Just so. The Privy Council must be well aware of two facts—i.e., the small proportion of pharmacists who are members of the Society, and secondly that the vast proportion of the members are not in sympathy with the policy of the Society's officials. A united protest from all pharmacists on the Register would carry weight where the weak policy of our elected leaders can only engender contempt. A cringing or a blustering attitude would be alike futile. We should face them boldly and demand that our rights be not infringed. If the Privy Council decides against us, our attitude will at least have gained respect, and our protest would prevent further encroachments. The cringing attitude of the Society only earns the contempt of both the Privy Council and the Society's own members. Mr. Dott's letter last week on this subject was welcome. A man of his standing, if he is convinced of the folly of the surrender, should be prepared to do more than suggest. We must have an organiser and leader at once if action is to be taken. Our officials have betrayed us through incompetence and cowardice, and are prepared to sacrifice our future so that no shadow of blame may fall on them. They do not realise that an honest avowal of a mistake would have served them better than all their futile manoeuvring to prove they have done no wrong. It is significant that the late Secretary, whose experience had been of the "hospital" type, lately obtained a post of honour. Our present Secretary has just been knighted. It is notorious that men with an eye to "honours" are not likely to adopt an aggressive attitude towards the powers "from whom such blessings flow." Yours faithfully,

Llanelly.

J. ROSS HENDERSON.

"An Illegitimate Child."

SIR,—The above heading is the sum and substance of the speech delivered by Sir Wm. Glyn-Jones to the chemists of the Dundee area, on June 13, in connection with the newly formed body, "The Scottish Pharmaceutical Federation"; and, in order that the other areas may not lose heart, resulting from the large support given to Sir William's motion, allow me space for a few words to allay, if possible, any such feeling. Did the audience forget what the origin of this Federation was—viz., a mandate from a mass meeting of Scottish pharma-

cists, supported by the N.B. Branch of the Pharmaceutical Society, but deserted by them at the eleventh hour? Sir William assured the meeting at the outset that he was not here to smash this infant, but anyone present, unless carried away by his speech, which was a masterpiece of ingenuity and camouflage, could not fail to see that his one object was that of the "Lord High Executioner." His line of attack was brilliant. He pleaded with them; then, getting bolder, he ridiculed them, and finally whipped them soundly for ever daring to father such an ill-considered and impossible child. The fact is this infant was born in holy wedlock, good to look upon, and with the veritable silver spoon, as within a few weeks 50 per cent. of the chemists of Scotland were worshipping at its shrine. This was too much for Bloomsbury Square, and down comes Sir William and his henchman to prove that this offspring was "illegitimate." After a speech lasting over an hour the strong men present were so ashamed that they had not a kick left. All honour to Mr. Stephen, Dundee, who stuck to his resolution, which meant that, no matter what took place at the conference (which has yet to come) with Sir William, this Federation must go on. I would warn my fellow-pharmacists to see that the Federation Executive knows the mind of the craft before this conference takes place. It was instructive and amusing to hear that the Pharmaceutical Society could now do all that this Federation was going to do, yet so far the N.B. Branch have not even considered this famous Clause 4, or, as "Q." would call it, the "Prostitution of Chemists' Titles." The "charter" reads: "To protect the interests of chemists," and this is how they do it. Waken up, brother pharmacists; deluge the Council with protests; let the public, through the Press, know that the chemists' interests are their interests; invoke the aid of the British Medical Association and our M.P.s, and we could defy any Privy Council. I would strongly urge the pharmacists of Scotland to rally round the Executive of the Federation, lest they waver, and continue the perfecting of this great scheme. The Federation is willing to work along with the Pharmaceutical Society, but this is not enough for Bloomsbury Square; it must come under its wing, and, as Sir William pointed out, the Pharmaceutical Society must be the only source from whence cometh wisdom. Through this Federation and under a District Industrial Council a way opens for Scottish pharmacists to look after their own interests without outside interference.

Yours faithfully,

Dundee.

J. P. FERRIER.

The Scottish Federation.

SIR,—The formation of the Scottish Pharmaceutical Federation has stirred the Pharmaceutical Council to unwonted activity and resulted in a flying visit from the Secretary and the President of the Society to the principal pharmaceutical centres in Scotland, to meet Scottish pharmacists and endeavour to convince them of the error of their ways in setting up an organisation which threatens to create dissension in the ranks and thus weaken the power of the Society. In the admirable address delivered in Dundee last week to the pharmacists of East and Central Scotland, Sir William Glyn-Jones gave it as his experience that where two organisations existed, each covering the same ground and endeavouring to achieve the same objects, it invariably led to disaster. But are the objects of the Society and the Federation identical? If so, I think Sir William must admit that the Pharmaceutical Council has, in the past, either neglected its opportunities or taken a very narrow view of its chartered powers, and that it has shown itself too prone to stand upon its dignity and turn a deaf ear to any proposals savouring, in its opinion, of commercialism. I gathered from Sir William's remarks that there is now a spirit of reform permeating the Council, and that it is now prepared to take a broader view of its obligations. But there has been little evidence of that progressive spirit at any of the recent Council meetings, and we should be careful not to miss the substance in gazing at the shadow. The Federation Executive has declared emphatically that the new body is in no way antagonistic to the Society and has been established for the sole purpose of dealing with the

business interests of pharmacists on trade union lines, leaving the Society to perform its statutory functions. Sir William accepts this disclaimer, but opines that our business and professional interests are so inextricably mixed up that it would be difficult to determine to which body certain matters should be referred. Such a view coming from him is rather surprising, having regard to the great success which has attended the Proprietary Articles Trade Association and the Chemists' Defence Association, both of which organisations he found it necessary to establish without the control of the Society. How, for example, does the Society propose to deal with the question of unprofitable proprietaries? Even the Council of the P.A.T.A. has met with nothing but rebuffs from the manufacturers of these; but I am quite confident that we in Scotland could, with a strong Federation, settle this question successfully in a very short time. There are many other questions which could be much more effectively dealt with by the Federation than by the Society, but we can only achieve success by becoming welded into one strong compact organisation, and I hope every Scottish pharmacist will give the Federation his support, recognising that there is ample room for the two organisations to exist, each performing its own functions, yet co-operating with each other in a spirit of mutual goodwill towards the betterment of pharmacy as a whole.

Yours truly,

J. R. MILNE.

Dundee.

The Welsh Wizard in Scotland.

SIR,—The following is my impression of "The Welsh Wizard" as seen through a "Scotch mist": "Standing room only" was the cry in the hall leading to the auditorium at 165 Hill Street, Garnethill, as I elbowed my way forward to get a glimpse of the "Wizard" who favoured the members of the Glasgow and West of Scotland Chemists' Association by displaying his powers of "legerdemain." The atmosphere bore the appropriate aroma of mystery—and cigars. The "curtain" was up, and a performance was in progress such as would have knocked Houdini or Maskelyne and Cooke into the proverbial cocked hat. The chief performer, who occupied the bulk of the "limelight," was assisted by a very strong caste of "supers," from North, South, East, and West, each assistant a "star" in his own particular line. The first "act" was "à la Houdini"; the "Wizard" produced a common or garden pharmacist, bound hand and foot by many yards of "red tape," and wholly enveloped in a sack of parchment called a "charter." There he stands, "cribbed, cabined, and confined," but one wave of the magic wand, and hey, presto! the prisoner is free. The all-enveloping charter lay at his feet, ready to fulfil the function of a doormat, should the unencumbered pharmacist see fit to wipe his boots on it. Act 2.—This was the very difficult feat of raising an apparently dead body into life. This body was so apparently "dead" that some—otherwise well-intentioned people—actually turned up their noses at it. Now it seems almost incredible, but believe me after some magic passes with his wonderful wand, which seemed but an ordinary lead pencil, he caused that inert "body" to sit up, take notice, and even offer to do some work. The Wizard went further and guaranteed that there was practically nothing it could not do. I determined to "wait and see," but the audience took it all in. Act 3.—The scene was changed and the Wizard pointed to a real live body, which showed by its actions at a "Press matinée" that it had plenty of "kick." It had been named "Federation." The Wizard called it an "Illusion," and proceeded to demonstrate the fact. After a few deft passes and incantations of the abracadabra type, he produced a weapon—a sword to wit—which he repeatedly passed through the place where the vitals ought to be, so that anyone who had not been behind the scenes might easily believe that the magician's sword met nothing but empty air. To prove that his audience had been hoodwinked, he then caused the body that *was* and the body that *was not* to join in a new game, which he termed "Compromise," in full view of the audience, who cheered

the feat to the echo. It was a masterly *coup*, and was only surpassed by a private séance to which certain privileged members were invited. It was a peep behind the scenes, and my pen refuses to record my amazement at the marvellous stagecraft and ingenious contrivances which are used to produce those mystifying tricks that call down the applause of the "gods in high places."

Yours truly,

GLASGOW. (186/65.)

Degrees in Pharmacy Wanted.

SIR,—The responsible officials of the Society are at present engaged in considering the education of ex-Army men desirous of qualifying in pharmacy under the Government scheme. It has been part of my duties to get in touch with the local authorities regarding this, and the following suggestions have presented themselves: Everybody fully recognises that we are on the threshold of a new era in pharmacy; before us is a door ajar, and we must push this open by means of education. It is not only necessary to consider the educational facilities of demobilised men, but also of the future apprentices. In the Pharmaceutical Society's Calendar for 1918, under "Statutory Duties," p. 25, it is stated that "Education of the vendor is the only safe foundation for a Poison Bill." The Society have, in the past, been criticised in that they neglect the trade side and look only to the professional side of our craft; in the above words the situation crystallises itself. The duty is clearly to look to the education side, and this must be done at once, and as many students of pharmacy as possible be educated at the universities. The institutions (I speak with a knowledge of Bristol) are only too willing to help us; the objection hitherto in doing so is that the Pharmaceutical Society will not recognise the degrees issued by the universities, and demands its own examinations as the standard. If a university is capable of educating and conferring degrees in medicine, surely it is capable of doing so in pharmacy. If the Pharmaceutical Society would register graduates in a science course approved by the university, the difficulty would be got over. . . . This acceptance of university degrees would require the appointment of a new official of the Society—viz., "A Director of Education"—who would examine the syllabus and offer his services as adviser to any university or college proposing to frame ordinances for a degree in lieu of the Society's examinations; and registration for the practice of pharmacy would be granted after obtaining this qualification on the payment of ten guineas. Another important point is that students taking a university course study in the same class as the medical and science men; personal friendships would thus be laid for the future, and greater respect for pharmacy would grow in the medical circles. Cram work, which produces so many inefficient men to-day, would be got over, and a sound education given in its place. Then, again, after registration men desiring to continue medicine or science would have already past their Intermediate, or First Professional, and surely that is an advantage many of the older men in pharmacy wished they enjoyed. I hope my letter will bring forth correspondence demanding the setting up of such an officer, and obtain the proper education of what ought to be a professional and honourable calling.

Yours faithfully,

13 Queen's Road, Clifton, Bristol. JAS. S. GUTHRIE.

Bowls Challenge.

SIR,—Mr. J. Hearle, 33 Liverpool Road, Islington, N., Secretary of the "Script" Sports Club, has sent a challenge through us to play the Provincial Visitors to the forthcoming British Pharmaceutical Conference at bowls, either on Thursday, if it can be arranged at the rendezvous of the excursion, or on Friday. May we trespass on your space to ask any intending provincial visitors who would like to show London what the provinces can do in this matter to communicate with Mr. Hearle?

Yours faithfully,

H. FINNEMORE.

R. R. BENNETT.

Hon. Secs.

Dispensing Difficulties and Notes.

An Ethical Problem.

W. G. B. (136/55) sends us an Insurance prescription which orders 4m doses (three or four times a day) of what could be read "Ac. HCN dil." in a basis of liq. morph. Our subscriber, being in doubt, used dilute hydrochloric acid, and could not submit the doubt to the prescriber on account of his rude conduct on a previous occasion. What should he have done?

Precipitate in Mixture.

SIR.—Will you please account for the dull dirty mass that settles at the bottom of the mortar in dispensing the following prescription, and also mention the right way of compounding its ingredients?

Quin. hydrochlor. ...	...	gr. XLV.
Acid. hydrobrom. dil. ...	...	℥XLV.
Tinct. nucis vom. ...	...	℥XLV.
Vin. ipecac. ...	...	ʒss.
Ext. glycyrrh. liq. ...	...	ʒiv.
Aqua chlorof. ad ...	...	ʒvj.

M.ft. mist. ʒj. t.d.s.

At first the mixture is quite clear, but on adding the ext. glycyrrh. liq. the dirty mass at once appears and sticks to the bottom.—Yours faithfully,

Bombay.

M. N. KALBAG.

[The "dull dirty mass" is a precipitate from the liquid extract of liquorice induced by the acid condition of the mixture, and the greater part of the quinine hydrochloride is involved in the precipitate. In acid solutions liquid extract of liquorice always produces a precipitate. It should only be used in alkaline conditions. In the present mixture it is presumably intended as a sweetening agent, but as such it is quite useless in its acid surroundings, while distinct alkalinity accentuates its sweetness. A workable mixture can easily be prepared by the following procedure: Mix together all the constituents except the liquid extract of liquorice; place it in a mortar, and mix with it powdered tragacanth grs. xviii., then add gradually with steady and continuous trituration the mixed constituents. In this way the precipitate is obtained in a state of subdivision, which admits of diffusion and equal distribution in dosage.]

Alkaloids in Mixtures

Asafetida (175/74) submits the following two prescriptions:

Ferri sulph. ...	...	ʒss.
Mag. sulph. ...	...	ʒiv.
Liq. arsen. hyd. ...	...	ʒj.
Ext. ergot. liq. ...	...	ʒiv.
Ext. ergot. liq. ...	...	ʒv.
Liq. strych. hyd. ...	...	℥lxxx.
Glycerini ...	...	ʒiij.
Aq. ad ...	...	ʒx.

ʒss. t.d.s. p.c. ex aq.

He asks whether this should be compounded as written, or whether the arsenic or strychnine precipitated.

[This prescription may be compounded as written with complete satisfaction. There is no precipitation of either arsenic or strychnine. The volume of liquid and the considerable amount of free acid would suggest little prospect of any of the ingredients being discharged from solution. After the mixture has stood for a day or so there is a visible separation of colouring matter, from the liquid extract of ergot, part in suspension and part accumulated at the bottom of the bottle. This being so, it is well to dispense the mixture with a "shake" label to prevent the patient being in doubt as to procedure.]

The second mixture which our subscriber asks about is the following:

Syr. ferri iod. ...	...	ʒj.
Liq. Donovan. ...	...	ʒjss.
Liq. strych. hyd. ...	...	℥lxxx.
Glycerini ...	...	ʒij.
Aq. ad ...	...	ʒx.

ʒss. bis die p.c.

Is there any danger of the strychnine being precipitated in this?

[Donovan's solution being an alkaloidal precipitant, it is safe to predict without experiment that there will be precipitation of the strychnine in this mixture. Experiment demonstrates that the prediction is correct. The precipitate, however, is not troublesome. Mix all the ingredients together except the solution of strychnine hydrochloride, then pour in that solution and shake quickly. The precipitate makes the mixture look cloudy at first; after some hours it settles to the bottom, leaving the mixture almost clear. It diffuses perfectly. Dispense with a "shake" label.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

M. M. A. (Beirut) (171/50).—ANILINE DYES SOLUBLE IN PARAFFIN WAX.—Aniline orange, sudan, and butter yellow are suitable for obtaining a yellow colour. There is no information available about the other colours you mention.

G. R. H. (186/62).—Paraffin wax, being insoluble in spirit, is best to use for coating corks of bottles containing spirituous liquids. The corks are dipped into the melted wax, and may afterwards be given a coating of coloured sealing-wax if desired.

Gep. (188/59).—TESTS FOR SACCHARIN.—If 0.01 gram is heated with an equal weight of resorcin and a few drops of sulphuric acid a mixture is obtained which is at first yellowish-red and then greenish-brown. If the residue is dissolved in cold distilled water and an excess of sodium hydroxide solution (15 per cent.) added, the mixture assumes a strong green fluorescence.

J. M. W. L. (183/38).—Alkali—*c.g.*, washing-soda solution—cleans the interior of an aluminium teapot, but the solution should not be allowed to remain in contact with the metal any longer than is necessary to remove the tea stains.

Polish (185/66).—LIQUID METAL-POLISH.—See C. & D., September 15, 1917, p. 52.

Glycerophosph (190/13).—(1) The glycerophosphate mixture which you have devised with extract of malt as a basis is feasible, and should keep well. (2) We do not understand your question about gas-cooking. Many thousands of people daily eat food that has been cooked by gas, so that the cooking process can at least be regarded as harmless.

Aspirin (188/40).—The turnover of a business five years ago is not a satisfactory basis upon which to pay goodwill. It would be under 100%—nearer 50%—in the case of a small business such as you mention.

R. N. B. (188/38).—BOOKKEEPING.—"Jay Mack's" "Bookkeeping for Retail Traders," which is advertised in the Coloured Supplement, is a simple system used by many chemists. Articles on bookkeeping have been given in *The Chemist and Druggist Diary*, 1908 and 1916, and there is a paper by Mr. Parkin S. Booth in the C. & D., April 11, 1914, p. 55. Thornton's "First Lessons in Bookkeeping" (2s. 6d.) and "Bookkeeping for Business Men" (3s. 6d.), both published by Macmillan, are good, but not specially applicable for chemists' businesses.

J. H. F. (Montreal) (181/43).—There is a good selection of recipes for toilet articles in "Pharmaceutical Formulas" (Office of C. & D., 15s.). This work is being reprinted, and will shortly be again on sale.

A. H. C. (182/21).—ALCOHOL TABLES.—Thorpe's "Alcoholometric Tables" (Longmans, 3s. 6d.), contains tables giving the percentage of ethyl alcohol by weight and volume and the equivalent of the degrees of Sikes' hydrometer with percentages of British proof spirit. Mr. F. C. J. Bird's alcohol dilution table printed in the "Year-book of Pharmacy" for 1904 is the best of its kind for pharmacists' use.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," June 15, 1869

Faraday Medal.

The Chemical Society, wishing to do honour to the memory of its late distinguished Fellow, Professor Faraday, and at the same time to promote the personal intercourse of the Society with eminent foreign chemists, has recently instituted a Faraday Medal, to be awarded from time to time to some foreign chemist upon his accepting the invitation of the President and Council of the Society to deliver a lecture to the Fellows. The inaugural lecture will be delivered on Thursday next, June 17, by M. Dumas, Master of the French Mint, and Perpetual Secretary of the Imperial Academy, who was one of Faraday's intimate friends. By permission of the managers, the lecture will be given in the theatre of the Royal Institution, associated for so many years with Faraday's own exhibitions.

**BUY
BRITISH
CHEMICALS.**



**SPECIFY
ORIGINAL PACKAGES
OF
HOWARDS'**

**GUARANTEED
ALL-BRITISH.**

Aspirin Tablets, Acid Boric, Acid Salicylic, Aethers, Antim.
Tart. P.B., Barium Salts, Bismuth Salts, Caffeine, Camphor,
Epsom Salts, Ferri Carb. Sacch., Ferri Sulph. Pur. P.B., Ferri
et Ammon. Cit., Ferri et Quinin. Cit., Glauber Salts, Iodides,
Liquor. Bismuthi, Liquor Ferri, Perchlor. Fort., Potassa
Sulphurata P.B., Potass. Acetas, Potass. Carb. P.B., Potass.
Citras, Potass. Sulph. P.B., Quinine and Salts, Soda Tart., Sodii
Acetas, Sodii Bicarb., Sodii Biphosph., Sodii Carb. P.B., Sodii
Phosph. P.B., Sodii Salicylas, Spirit Aether Nit., Spirit Ammon.
Arom., Zinc Preparations, etc. etc.

TABLETS of Quinine, Aspirin, Ammon. Quinin.,
Mercurials, Soda Mint, etc. etc.

HOWARDS & SONS, Ltd. (Estab. 1797), Ilford, LONDON.

Chloride of Lime

Specially prepared for household use in
PACKETS, TINS, and BOTTLES.

We have now completed our arrange-
ments for 1919 season's trade, and can
give immediate delivery.

"CHLOROS"

The cheapest and most powerful Disinfectant obtainable.

THE UNITED ALKALI CO. LTD.,
Cunard Building, LIVERPOOL.

EPSOM SALTS

Druggist & Commercial Qualities.

ZINC SULPHATE

(White Copperas).

ZINC CHLORIDE

Fused, Granulated and Liquid.

GLAUBER'S SALT

PROMPT & FORWARD DELIVERIES.

INQUIRIES SOLICITED.

William Blythe & Co., Ltd.

Chemical Manufacturers,

Church, Lancashire.

JOHN & JAMES WHITE

7 West George Street,
GLASGOW

Telegrams: "BICHROME."

Telephone: Central 9247.

CHROMATES AND BICHROMATES

All Chrome Compounds Oxide of Chromium (99%) Chromic Acid (97.98%)

Bichromate of Potash 67/68% (Crystal. Ground).	Chromate of Soda (59/60%) (Ground) Bichromate of Soda (67/68%) (Crystal. Powder, Cake). Bichromate of Soda (74/75%) (Anhydrous. Granular)	Bichromate of Ammonia 78/79% (Crystal. Granular).
--	--	---

SULPHATE OF AMMONIA 25½%
(Anhydrous—Neutral)

MOND GAS TAR
(Dehydrated)

CHROMETAN
FOR SINGLE BATH TANNING

BRUNNER, MOND & CO., LIMITED

• • • • •
Crescent



• • • • •
Brand.

• • • • •
TRADE MARK.

ALKALI PRODUCTS.

These products are made by the Ammonia Process, and are distinguished from others by their great purity.

Bicarbonate of Soda.

This Bicarbonate answers all the requirements of the British Pharmacopœia. It is a pure, refined, and recrystallised salt, particularly free from metals or any base other than soda. This sodium bicarbonate is specially suitable for the preparation of granular effervescent preparations and salines, seidlitz powders and baking powders, and is well adapted for other medicinal and domestic purposes. It is the purest and cheapest sodium bicarbonate made.

Concentrated Crystal Soda.

This sodium compound (sodium sesquicarbonate) is a variety of carbonate of soda in small silky crystals, containing much less water than ordinary washing soda; 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade; they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hair-wash powders, and the like.

Pure Alkali. 58 Degrees.

A dry, white powder: dissolves quickly and easily in water, making an excellent detergent for use by printers, bleachers, dyers, and for bottle washing. Is nearly equal to 99 per cent. carbonate of soda; is much used by glass, paper, and soap makers. The best alkali for soap powders and washing powders.

Pure Soda Crystals Caustic Soda.

Manufactured from pure Carbonate of Soda, and supplied of all degrees of strength.

Carbonate of Ammonia (Lump and Powder).

Retailers can obtain these products through any Wholesale house by specifying Brunner, Mond & Co.'s "Crescent" Brand. The Manufacturers supply wholesale quantities only, and will quote on application to

BRUNNER, MOND & CO., LIMITED, NORTHWICH, CHESHIRE.

**PARALDEHYDE
PHENAZONE
PYRAMIDON
BARBITONE
CANADA BALSAM**

A. JOHNSON & CO. (LONDON), LTD.

3 GRACECHURCH STREET, E.C. 3

Tel. Address : "Agenticum, Grace, London."

Phone 1098 Avenue (2 lines).

Tel: L.W. 7781. Tel. Add: "HYDRACETOL, PHONE, LONDON."

BENZOATES

LIMITED.

ENGLISH

**MANUFACTURERS OF BENZOIC ACID,
SODIUM BENZOATE, Etc.**

VERY FINEST QUALITY.

**76 FINSBURY PAVEMENT,
LONDON, E.C. 2.**

Codes: A B C, 4th & 5th.
Telephone: Hop 334.

Telegrams:
"ANISEED, FRIARS, LONDON."

F. W. POWELL, M.P.S.,

85 Blackfriars Road, London, S.E. 1.

CHEMICALS

(Pharmaceutical and Technical)

Drugs, Oils, Waxes & General Produce.

**VANILLIN, ASPIRIN, PHENACETIN,
CREAM OF TARTAR.**

Phone Holborn 1640 and 1641

Established 1698

Telegrams: AMO, CAMEL, AMERICAN, LONDON

THE AMERICAN COMMERCE CO. LTD.

19, ST. BRIDE STREET, LONDON, E.C. 4.

NEW YORK MILAN PARIS PETROGRAD

THYMOL B.P.

ANTIPYRINE

HYPOSULPHITE

SODA PEA CRYSTALS

ASPIRIN B.P.

SALICYLIC ACID

B.P.

BENZOIC ACID B.P.

A SEASONABLE LINE

**ARMOUR'S
JUNKET
POWDER**

**ARMOUR'S
JUNKET
TABLETS**

PACKED IN GLASS TUBES WITH UNIQUE MEASURING CUP.

Boxes containing 12 tubes per box, 6/-

Retail Price, 9d. per tube.

Tubes containing 16 tablets per doz., 6/-

Retail Price, 9d. per tube.



SHEWS PROFIT TO RETAILER of 50%

50%

ARMOUR AND COMPANY

QUEEN'S HOUSE, KINGSWAY,



LONDON, W.C. 2

LIMITED

McKESSON & ROBBINS

INCORPORATED

Established 1833

McK & R

NEW YORK, U.S.A.

SOLICIT INQUIRIES FOR

Cascara Bark**Senega Root****Jalap Root****Peppermint Oil****Spermaceti**

Foreign Distributors for

The
New York Quinine and Chemical Works
LimitedMakers of
QUININE STRYCHNINE
ACETANILIDE, Etc.**Tablets & Pills****WE** invite inquiries for all kinds of
Tablets and Pills, plain or sugar
coated, packed or in bulk.Our products are made from the very
finest materials and can be relied upon
to give every satisfaction.We also make a speciality of Private
Formulæ Pills and Tablets.All inquiries treated with the strictest
confidence.**ASPIRIN TABLETS.**25's 4/6, 50's 8/3, 100's 14/6 per doz.
Bulk, 8/6 per 1,000.**The Castle Tablet Co., Ltd.**
106 Barnsbury Road, London, N. 1

ENTIRELY BRITISH.

BEST ENGLISH MAKE

SEA-TANGLE TENTS

(LAMINARIA DIGITATA)

For dilating the OS and CERVIX UTERI.

Introduced by SIR JAMES SIMPSON, M.D.

SPECIAL ADVANTAGES.Firstly—They are cheaper in price than Sponge Tents.
Secondly—More easy of introduction.
Thirdly—More potent than dilators.
Fourthly—Cleaner in their use.Lecture by PROF. SIMPSON, "Tangle Tents," at the Obstetrical
Society of Edinburgh.—See Edinburgh Medical Journal for July 1864.Manufacturer: **E. BRASSE** (late R. Manson)
Culvert Works, Culvert Road, South Tottenham, London, N. 15**Swiss Bank Corporation**Basle, Zurich, St. Gall, Geneva, Lausanne, La Chaux-de-Fonds,
Bienna, Chiasso, Herisau, Le Locle, Nyon.London Office - - - 43 LOTHBURY, E.C.2.
West End Branch: 110 REGENT ST., WATERLOO PLACE, S.W.1.Capital Authorised & Fully Paid-up £4,000,000
Reserves - - - - £1,240,000Banking and Exchange Business of every descrip-
tion transacted. The Bank will gladly furnish the
Chemical and Drug trades with all available
information regarding Trade and Industry in
Foreign Countries.

AMERICAN CRUDE DRUGS

(WHOLE AND POWDERED).

DEERTONGUE LEAVES
SIMARUBA BARK
WITCH HAZEL LEAVES
WITCH HAZEL BARK
BLACK COHOSH ROOT

SERPENTARIA ROOT
STILLINGIA ROOT
BLUE COHOSH ROOT
CRINDELIA ROBUSTA
HERB

WILD CHERRY BARK
CELSEMIUM ROOT
BLUE FLAG ROOT
DAMIANA
GUARANA

We carry stocks in London of the principal American Crude Drugs in demand in the United Kingdom. We will quote you for prompt shipment any we have not on spot. We particularly solicit your inquiries for Autumn Stocks, our prices are competitive and our goods of high quality.

NOTE.--We are the only firm in the United States owning a Branch Collection Depot actually in the district where the bulk of the drug plants are gathered. Here they are cleaned and sorted so that we can give you delivery in London direct from the source of supply.

Our organisation enables us to give you superior service at favourable prices. Send us your inquiries.

S. B. PENICK & CO. (INC.)

MILLERS.

IMPORTERS]

CRUDE DRUGS

[EXPORTERS

"The Initial Source of Supply."

NEW YORK. Cable Address: "Penickdrug, New York." **ASHEVILLE, N.C.**

London Agents: J. D. BISHOP & CO., Ltd., 87 BOROUGHS HIGH ST., S.E. 1.

PEPTONE

Bacteriological and ordinary qualities.

PETRI BROTHERS,

39 LIME STREET - - LONDON, E.C. 3.

SILVER PROTEINATE P.G.V. SILVER NUCLEINATE, 20%

We have a regular & continuous output of these preparations. Please ask for prices.

CHEMICAL WORKS MADOERY, LTD
Basle, Switzerland.

We Specialise in

and invite inquiries for

AJOWAN OIL, BELLADONNA LEAF and ROOT, CARBONATE OF POTASH 96/97%, COSTUS ROOT, CHAULMOOGRA OIL, guaranteed "TARAKTOGENOS," EUPHORBIA PILULIFERA, NUX VOMICA, PODOPHYLLUM EMODI ROOT, PYROLUSITE, SANDALWOOD OIL, SODIUM GYNOCARDATE, THYMOL, TURMERIC and other INDIAN DRUGS.

SMITH, STANISTREET
CALCUTTA. & Co., Ltd.

Cable Address
"CELAITCH, NEW YORK."

Codes:
A B C, Fifth; Bentley's Improved Private.

CHAS. L. HUISKING, Inc.

5 Platt Street, New York City,

**BROKERS & COMMISSION MERCHANTS,
DRUGS : CHEMICALS : OILS : Etc.**

*Buying and Selling Agents for leading
Houses in all parts of the World.*

European Manufacturers desirous of placing their goods in the American market would do well to communicate with us. Our outlet for goods is very large.

Weekly Market Reports Mailed on request of WHOLESALE BUYERS only.

TELEPHONE—HOLBORN 4894

S. TOLKOWSKY,

HALTON HOUSE, 20 HOLBORN, LONDON, E.C. 1.

London Representative of I. L. GOLDBERG, Petrograd, Wilna, Moscow, Odessa.

The exclusive exporter of **SANTONINE** from Russia to the whole world.

Inquiries solicited also for

RUSSIAN CRUDE DRUGS

Wormseed
(Semen Contra)
Elderflower
(Flores Sambuci)
Lycopodium
Aniseed
Ergot of Rye

Liquorice Root
Calamus Root
Boletus Cervinus
Gum Galbanum
" Tragacanth
Henbane Leaves

Frangula Bark
Cantharides
Blood Albumine
Anise Oil
Coriander Oil
Soap Root

STOCKS IN LONDON.

EMETINE SANDAL WOOD

HYDROCHLORIDE HYDROBROMIDE OIL.

ALSO

EMETINE-BISMUTH-IODIDE,
ATROPINE, STRYCHNINE,
CAFFEINE, THEOBROMINE, NICOTINE
QUININE SALTS,
IODINE & BROMINE PREPARATIONS

Mercurials, Refined Camphor.
MORPHINE AND CODEINE
Alkaloids and Salts.

Opium and all Opium Derivatives.

WHIFFEN & SONS, LTD., BATTERSEA, LONDON, S.W. 11.

Telegrams: "WHIFFEN LONDON."

Telephones: 254, 255 BATTERSEA.

Codes for Telegraphing: A B C, Lieber's.

Whiffen & Sons, Ltd., are
sole Consignees of the

Mysore
Government

Standard Product.

Complies with requirements of all
Pharmacopoeias.

Samples can be had upon application to—

VICTOR BLAGDEN & CO.,

4 Lloyd's Avenue, LONDON, E.C. 3.

AMMONIA PRODUCTS

SULPHATE
MURIATE
NITRATE
CARBONATE

ACETIC ACID
TRIOXYMETHYLENE

TAR PRODUCTS

PITCH
CREOSOTE
CARBOLIC ACID
PYRIDINE
CRESYLIC ACID, etc.

FORMALDEHYDE
ZINC OXIDE
LITHOPONE

BENZOL
TOLUOL
SOLVENT NAPHTHA
NAPHTHALENES
WHITE AND RED LEAD
ARSENIC
CAUSTIC SODA

CYANOGEN PRODUCTS

PRUSSIAN POTASH
PRUSSIAN SODA
PRUSSIAN CALCIUM
CYANIDE OF POTASSIUM
CYANIDE OF SODA

OXALIC ACID
PARAFFIN WAX

Telephone Number: AVENUE 6353 (3 lines)

Telegraphic Address: "BLAGDENITE, FEN, LONDON."

GALENICALS

FROM CHEMICALLY AND PHYSIOLOGICALLY TESTED DRUGS.

Willows, Francis, Butler & Thompson, Ltd.,
40 Aldersgate Street, LONDON, E.C.

Tele.: "Fuerst, Green, London."

40 Years

personal knowledge of the
Best Sources of Supply
and of the requirements of
The ultimate Consumer

enable us to give prompt
and economical delivery, at
Lowest Market Prices.

Telephone: 4350 London Wall.

CHEMICALS, OILS, PRODUCE, METALS, MINERALS, ACIDS.

Cream of Tartar (*Crude & Refined*), **Argols**, **Wine Lees**,
Acetic, Tartaric, Citric, Oxalic, Formic and Salicylic Acids,
Potashes, Alkalies, **ESSENTIAL OILS**, **NATURAL & SYNTHETIC**
PERFUMES (Vanillin), **LIQUORICE JUICE** (Block and Sticks),
etc., etc.

COAL TAR PRODUCTS.

Aniline Oil, Salts, Colours, Saccharine, Photographic Developers.
STONEWARE CHEMICAL PLANT. As supplied to H.M. Government

Advice and Assistance to our Customers cheerfully
given by our Technical Department.

WHOLESALE ONLY.

FUERST BROS., Ltd., 17 Philpot Lane, LONDON, E.C.3.

PATTINSON'S MAGNESIA

PROMPT AND FORWARD DELIVERY.

SOLE MANUFACTURERS:-

**THE WASHINGTON CHEMICAL COMPANY, LIMITED,
WASHINGTON STATION, COUNTY DURHAM, ENGLAND.**

FOR

Acids SULPHURIC
HYDROCHLORIC
NITRIC
Resorcin
Mercurials
Cascara Bark
Saccharin
Chloral Hydrate

Ask BERK

F. W. BERK & CO., Ltd.

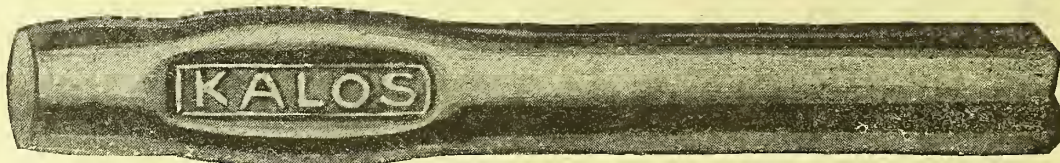
1 FENCHURCH AVENUE, LONDON.
Works—STRATFORD and MORRISTON.

Telephone: 4032 Ave. Telegrams: "Berk, Phone, London."

IF YOU WANT BUSINESS

in the United States or Canada
we can help you. We can also
fill your orders for American
Drugs and Chemical Products.

SAMSON ROSENBLATT,
89 FULTON STREET, NEW YORK CITY.



LIQUORICE JUICE "KALOS" BRAND
IS THE **SUPREME** QUALITY
WITHOUT EXAGGERATED PRICE.

TARTARIC ACID

and

Cream of Tartar

99-100 %

**QUALITIES
GUARANTEED**

**PROMPT AND
FORWARD
DELIVERY**

Clifford Christopherson & Co.

6 LLOYD'S AVENUE, E.C.3.

Telephone
Avenue 3220 (2 lines).Telegrams
"Christopherson, Fen, London."

"PREPARATIONS

of which the Muller Nutrient is a very good example may legitimately be described as 'Nature Remedies.' These will no doubt have an important place in Therapeutics, and hold out much hope and promise in the future of medical practice."

—THE MEDICAL TIMES, August 18, 1917.

THE

MULLER NUTRIENT

SELLS AT
FACE VALUE **3/-** P.A.
T.A.Direct Cash Orders 28/6 dozen
with 2 Showcards.**The Muller Laboratories,**

Scientific Food Specialists, LTD.

144 Albany Street, LONDON, N.W.

SACCHARINE

BENGOL TRADING CO., Inc., Gresham House, Old Broad St., E.C. 2. Telephone: London Wall, 4597, 4598.
Tele. Add.: "Bengol, Gresham House, London." (1)

ESTABLISHED 1772.

HENRY'S CALCINED MAGNESIA

Continues to be prepared with scrupulous care, in the greatest chemical purity by
Messrs. THOMAS & WILLIAM HENRY, 11 East Street, St. Peter's, Manchester.
And is sold in Bottles, authenticated by a Government Stamp, bearing their name. Trade Mark, "Henry's Calcined Magnesia."

PRICE 4s. 6d. or 2s. 9d

NEW YORK: Messrs. SCHIEFFELIN & CO., William Street.

PARIS: Messrs. ROBERTS & CO., 5 Rue de la Paix.

The BRADFORD WOOL EXTRACTING Co. L^{td}.
are ACTUAL MANUFACTURERS of

PHENACETIN**SALICYLIC ACID**

Telephone No. 2638

PIT LANE MILLS, BRADFORD.

Telegraph: "Production."

Largely increased Production and Sale.

Special Terms to large Shippers.

PRECIPITATED CHALK

CRETA PRÆCIPITATA (Calc. Carb. Præcip. Leviss.)
SPECIAL QUALITY.FINEST, LIGHTEST,
and
PUREST
IN THE MARKET.Every particle is passed
through a mesh of
40,000
to the square Inch.**NICHOLS CHEMICAL CO., Ltd.** Baxenden,
Nr. ACCRINGTON.**Certificate of Analysis from VIRGIL COBLENTZ, A.M., Ph.G., Ph.D., F.C.S.***Professor of Theory and Practice of Pharmacy, Director of the Pharmaceutical Laboratory, New York College of Pharmacy.**The sample of Precipitated Chalk, G. W. N. Brand, which was submitted for my examination, I found to fulfil all the requirements of the United States Pharmacopœia as regards tests of purity. The sample is remarkably pure, and free from the usual impurities found in Precipitated Chalk.**Signed, V. COBLENTZ, Ph.D.*London Agents: **H. E. STEVENSON & CO., 122 Great Suffolk Street, S.E.**

Paris Agent:

L. WEILER, 2 Rue Theophile Roussel, 12e.

New York Agents:

P. E. ANDERSON & CO., 99 John Street, New York.**SAL AMMONIAC****Apply direct.** (1)

THE MARK OF

QUALITY AND



RELIABILITY

XY-LO RIMMED SPECTACLES

WITH

 $\frac{1}{10}$ G. F. FITTINGS { Sides
and
Bridges*Write for Samples of these Extremely
Popular and Up-to-date Articles***A Few
Points** { LIGHTNESS
COMFORT
BEAUTY of DESIGN
EXCELLENCE of FINISH**ELLIOTT OPTICAL COMPANY**

(Guy E. Druff, Prop.)

104/5 Gt. Saffron Hill, London, E.C.1

MECHANICAL DENTISTRY

**Freeman Bros.
WITHAM - HULL**

'Phone—CENTRAL 1290.

NO BRANCHES**High-Class Work
at Moderate Prices****Reliable Staff under Personal Supervision.
Punctuality Guaranteed, & Best Materials.**

JUNE 21, 1919

CANADA

TO those seeking representation for their goods in the Canadian trade we could supply every needed assistance, both in regard to manufacturing and distribution, and all questions pertaining to exploitation in Canadian territory.

We invite correspondence from producers of chemicals in England and the Continent, and offer substantial output to those giving prime basis of cost. Fifty years' connection with the Canadian trade, supported by a large and efficient selling organisation, offers exceptional advantages to those wishing to establish trade in Canada.

N. C. POLSON & CO.
(Established 1877) LIMITED

Wholesale Druggists,

MONTREAL - CANADA

MESSRS.
E. OFVERBERG & Co.

beg to notify their

CHANGE OF
ADDRESS

to

110 Cannon Street
E.C. 4.

Telephone : CITY 7422.

COD LIVER OIL EMULSIONS

25 %, 33 %, 50 %,
IN BULK.

E. H. BUTLER & SON, Manufacturing Chemists
93 Humberstone Gate, LEICESTER.

Swiss Aniline Colours.

J. R. GEIGY, S.A.,
Basle - Switzerland

are makers of

ACID REDS, YELLOWS and ORANGES
METHYLENE BLUES SPIRIT BLUE
NIGROSINES. TANNIC ACID

Agents

E. H. BUTLER & SON, LEICESTER.

INDIAN PRODUCE

First-Hand Supplies.

Shipments direct from India to U.K.

OILS, OILSEEDS, GROUNDNUTS,
FODDER-CAKE, COPRA, CAPOC,
SPICES, CITRONELLA, etc.

DE GROOT BROTHERS
Schiedam Holland

Canadian Sanitas Co.

Importers of Sundries, Drugs & Chemicals
9 St. Nicholas St. (cor. St. Paul)
MONTREAL, CANADA.

QUOTATIONS SOLICITED.

Correspondence invited from firms
having Agencies to offer in Canada—
English, French, Italian, &c.

QUALITY AND TONE

The Chemist, as well as the Clinician, recognizes the superiority of the original

Fellows' Syrup

to the ever-increasing preparations of the Compound Hypophosphites, and should co-operate with the manufacturers against the substitution of inferior imitations for the genuine.

The price of FELLOWS' SYRUP has been protected for many years

THE FELLOWS MEDICAL MFG. CO., Inc.
NEW YORK

WM. MACLEAN, SONS & CO.,

CHEMICAL
MANUFACTURERS,

Our motto is **QUALITY FIRST**
and **ALWAYS.**

Get Prices and Samples of our **CREAM OF TARTAR SUBSTITUTES.**

TUPERCENT

Under 2 per cent. Guaranteed.

BROAD STREET HOUSE, LONDON, E.C. 2.
Telephone: 3688 LONDON WALL.

Nos. 1 and 2 CREAM POWDER

AND OTHER SPECIALITIES

Glasgow, Manchester, New York. Works: Rutherglen, N.B.
Telegrams: "WILMACLEAN, AVE, LONDON."

TARTARIC ACID
CITRIC ACID

J. KHAMBATA & CO.

3 & 4 Gt. Winchester Street,
LONDON, E.C. 2.

Telephone: London Wall 5383.
Telegrams—Foreign: "Jehangir London."
Inland: "Jehangir, Ave, London."

**SULPHATE
OF COPPER**

98/99 % Guaranteed.

McKECHNIE BROS., LTD.

Inquiries to Sales Office,
26 CHAPEL STREET, LIVERPOOL.

Works—WIDNES.

Telegrams:
"Auriferous Liverpool."

Telephone No.:
Central 6226 Liverpool.

ALL

Chemicals & Drugs

PHARMACEUTICAL and TECHNICAL.

WHOLESALE and EXPORT
INQUIRIES SOLICITED.

V. A. PICERNO

92 Falcon Road, BATTERSEA, LONDON.

Telephone: BATTERSEA 1612.
Telegrams: "PICERNO, FALCON RD., BATTERSEA, LONDON."

ÉTABLISSEMENTS CHATELAIN,

2 & 2 bis RUE DE VALENCIENNES, PARIS.

Sole Manufacturers of

JUBOL**RE-EDUCATION OF THE
INTESTINE.**Constipation, Enteritis, Hæmorrhoids,
Indigestion, Skin Blemishes, &c.

Price 5/- per box.

GLOBÉOL**POWERFUL BLOOD TONIC.**Anæmia, Nervous Exhaustion, General
Debility, Tuberculosis Convalescence,
etc.

Price 5/- per bottle.

PAGÉOL**POWERFUL URINARY
ANTISEPTIC.**Cystitis, Prostatitis, Catarrh of the
Bladder, Renal Tuberculosis, etc. etc.

Price 5/- and 11/- per box.

JUBOLITOIRES**SCIENTIFIC SUPPOSITORIES**For Hæmorrhoids, Rectitis, Anal Fistula, etc.
Anti-hæmorrhagic, Sedative, De-congesting.

Price 5/- per box.

URODONAL**POWERFUL URIC ACID
SOLVENT.**Rheumatism, Gout, Arterio-sclerosis,
Stones, Gravel, Sciatica, Neuralgia and
all Uric Acid disorders.

Price 5/- and 12/- per bottle.

VAMIANINENew Scientific Preparation for Chronic
Skin Affections, Psoriasis, Eczema,
Acne, etc.

Price 11/- per bottle.

SINUBÉRASE**SCIENTIFIC PREPARATION OF
LACTIC FERMENTS.**Indicated in Intestinal Disorders,
Dysentery, Diarrhoea, Dyspepsia, Enteritis,
Typhoid, Skin Eruptions, etc., etc.

Price 5/- per bottle.

FANDORINEMetrorrhagia, Dysmenorrhœa and Lactation,
Pains, etc. etc.

Price 5/- and 11/- per bottle.

FILUDINE**SPECIFIC FOR THE LIVER.**Malaria, Diabetes, Cirrhosis, Sluggish
Liver, Tuberculosis, etc.

Price 11/- per bottle.

*Heppells*BRITISH AND COLONIAL AGENTS—
Pharmacists & Foreign Chemists, 164 Piccadilly, LONDON, W. 1.

Telegrams: "URODONAL LONDON." Telephone: Regent 192.

AUSTRALIAN AGENT: Mr. BASIL KING, Malcolm Buildings, Sydney, N.S.W.

INDIA (SUB-AGENTS): G. ATHERTON & CO., 8 Clive Street, Calcutta.

Stocked by all Wholesalers.

Now being largely advertised.

100% PROFITS

THE RED BAND CHEMICAL CO.

PROFITS 100%

RICHMOND TERRACE, DALRY ROAD,

EDINBURGH.

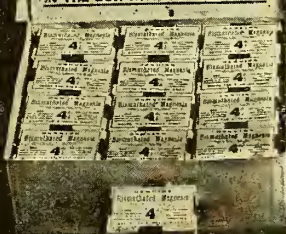
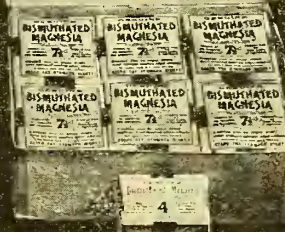
PER 29/- GROSS.

1 DOZ BONUS.

PER 50/- GROSS.

ARE YOU AFRAIDTO TACKLE YOUR BREAKFAST,
DINNER OR TEA?
DON'T! JUST TUCK IN!

THEN HAVE A DOSE OF

**BISMUTHATED
MAGNESIA**4 1d.
4 1d. 4 1d.GET A BOX AT ONCE AND
EAT WHAT YOU LIKE.MANY HAVE BENEFITED.
WHY NOT YOU?ENJOY YOUR FOOD! EAT WHAT YOU LIKE!
"RED BAND"
BISMUTHATED
MAGNESIA
4 1d. 4 1d. 4 1d.
IN THE BOX WITH THE RED BANDENJOY YOUR FOOD! EAT WHAT YOU LIKE!
"RED BAND"
BISMUTHATED
MAGNESIA
7 1d. 7 1d. 7 1d.
IN THE BOX WITH THE RED BAND

CARAMEL COLOURING

(Sacch. Ust.)

For ALL PURPOSES.

PERFECT PURITY.
Highest Colour Value.

IMMEDIATE DELIVERY to Manu-
facturers and Wholesale buyers only.

E. J. HAY & CO.

THE Caramel Specialists,

Essex Wharf, Limehouse, LONDON, E. 14,
AND

104 Sackville Street, MANCHESTER.

Alliance Drug & Chemical Co. London

Offices: 34 LEADENHALL STREET.

NOTE.—Only terms, Net Cash with order without discount, or
orders accepted through London Merchants or Bankers.
Goods carriage forward; all packages free; Export cases extra.

A cetanilide, B.P. 1 lb. @ 3/9 lb.; 7 lbs. @ 3/4
lb.; powder, 1d. lb. extra.

Ammon. Carb. lump, 3 cwt. @ 8d. lb.; 28 lbs.
@ 10d. lb.; 7 lbs. @ 10½d. lb.; powder 1d.
lb. extra.

B ismuth, P.B., Carb., 3 lbs. @ 15/11 lb.; 1 lb.
@ 16/6 lb.; subnit., 3 lbs. @ 14/4 lb.; 1 lb.
@ 14/6 lb.

E xt. Cascara Sag. Liq., B.P., 1 cwt. @ 2/11 lb.;
10 lbs. @ 3/2 lb.

* nf. Aurant. Conc., 1 to 7, 6 lbs. @ 3/4 lb.

* „ Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 3/4 lb.

* „ Buchu Conc., 1 to 7, 6 lbs. @ 4/9 lb.

* „ Calumba Conc., 1 to 7, 6 lbs. @ 2/6 lb.

* „ Caryoph. Conc., 1 to 7, 6 lbs. @ 2/4 lb.

* „ Cascarella Conc., 1 to 7, 6 lbs. @ 2/2 lb.

* „ Cinchona Acid, 1 to 7, 6 lbs. @ 2/10 lb.

* „ Gentiana Conc., 1 to 7, 6 lbs. @ 1/8 lb.

* „ Quassia Conc., 1 to 7, 6 lbs. @ 1/3 lb.

* „ Rhei Conc., 1 to 7, 6 lbs. @ 2/4 lb.

* „ Rosa Acid. Conc., 1 to 7, 6 lbs. @ 3/4 lb.

* „ Senega Conc., 1 to 7, 6 lbs. @ 4/9 lb.

* „ Valerian Conc., 1 to 7, 6 lbs. @ 2/11 lb.

* liq. Hamamelidis, B.P., 6 lbs. @ 2/6 lb.

* „ Hypophosph. Co., p.s., B.P.C., 1 lb. @

* „ Iodi Fort. B.P., 5 lbs. @ 8/2 lb. [6/1 lb.]

* „ Morphina Acet. or Hydrochlor., P.B.,
6 lbs. @ 6/6 lb.

O l. Eucalypt., P.B., 1 cwt. @ 2/11 lb.; 28 lbs.
@ 2/- lb.; 9 lbs. @ 3/5 lb.

P otass. Brom. P.B., 7 lbs. @ 3/4 lb.

Potass. Chlor. Pulv., 7 lbs. @ 2/6 lb.

Potass. Cit. B.P., 7 lbs. @ 6/6 lb.

S odii Salicyl. Pulv., 2 lbs. @ 3/3 lb.

* Spt. Ether Nit., P.B., 4½ lbs. @ 5/11 lb.

* „ Ammon. Aromat., P.B., 5 lbs. @ 4/10 lb.

* „ Chloroform. P.B. 5 lbs. @ 6/2 lb.

* Syr. Scilla, P.B., 7 lbs. @ 1/- lb.

* „ Senna, P.B., 7 lbs. @ 1/6 lb.

* „ Tolut, P.B., 7 lbs. @ 1/3 lb.

* Minimum quantity at these prices; Home Trade, 3 Winchester
Quarts assorted; Export, 12 Winchester Quarts assorted.

ELDERFLOWERS

Rubbed for Ointment.

DELIVERY IN GOOD CONDITION GUARANTEED.

Also Pickled and Dried.

Orders for these should be placed *at once*.

FLEMONS & SONS,

HERB MERCHANTS, DUNSTABLE.

SAPONINE

(SOLUBLE),

MANUFACTURED BY

C. W. FIELD, LTD.,

Cambrian Mills, LIVERPOOL.

Special Terms to Wholesalers and large Consumers.

SANTROCYL CAPSULES

(An improved Santal Wood preparation).

Vide extract from the *Lancet* of July 24, 1915 (sent gratis).

Boxes of 24, 18/6 per dozen.

Boxes of 36, 22/6 per dozen.

These Capsules are specially manufactured for Export to all climates, and
labels, &c., printed either in French, Italian or Spanish at no extra cost.

To be obtained from—

LONDON—Lyndwood & Co., 71 High Holborn, W.C.;
May Roberts & Co., Ltd.; Barclay & Sons, Ltd.; Butler
& Crispe; Sangers.

GLASGOW—Brown, Gray & Co.

BELFAST—Thos. M'Mullan & Co.

LIVERPOOL—Ayrton, Saunders & Co., Ltd.

SOUTH AFRICA—Aerators (S.A.) Ltd., Fletcher's
Chambers, Cape Town.

BELGIUM—Aerators, Ltd., 4 Rue de la Poste, Brussels.

SOUTH AFRICA, from Cape Town to the Zambesi**LENNON LIMITED**

Established in
SOUTH AFRICA
at
CAPE PROVINCE TRANSVAAL

Cape Town	Johannesburg
Port Elizabeth	Fordsburg
East London	Germiston
Kimberley	ORANGE FREE STATE
Graaff Reinet	Bloemfontein
Aliwal North	RHODESIA
Oudtshoorn	Bulawayo
Mossel Bay	Salisbury
Stellenbosch	Gatooma
NATAL	
Durban	

*Wholesale Druggists,
Manufacturing Chemists,
Druggists' Sundriesmen.*

DEALERS IN

Surgical Instruments, Dental, Optical, and Photographic Goods, Perfumery, and Assay and Mining Requisites.

Contractors to the Governments of
**CAPE PROVINCE, NATAL, RHODESIA, TRANSVAAL,
and ORANGE FREE STATE.**

London Office, Warehouse, and Factory—

12-14 LAFONE STREET, TOWER BRIDGE, S.E.**Unrivalled position for the introduction and handling of Specialities**

"SOLAZZI" LIQUORICE JUICE

THE CHEMISTS' BRAND.

'The Lancet' says: 'Of Standard Purity'Recommended also by *The British Medical Journal, Health, The Chemist and Druggist, Food and Sanitation.***Ask for SHOWCARDS and HANDBILLS. To be obtained of all Wholesale Houses.****Chemists**

increase your profits and advertise
your own name by buying in bulk and
doing your own packing.

**BISMUTHATED
MAGNESIA TABLETS.**

5 grains, 3/- per 1000, for not
less than 10,000.
Special price for cwt. lots.

Ext. CASCARA TABLETS,

P.B., in 2 grains, Sugar-Coated.
10,000 **4/6** 25,000 **4/3**
50,000 **4/1** 100,000 **3/10**

**PHOSPHORUS AND
QUININE TABLETS.**

9/6 per 1000.
INQUIRIES FOR OTHER
TABLETS REQUESTED.

ALL GOODS OF GUARANTEED STRENGTH AND QUALITY.

Watson & Co., Tablet Manufacturers, Quorn, Loughborough.

JOHN MURDOCH & CO.

(LATE OF 52 LEADENHALL STREET)

**7 UNION COURT,
OLD BROAD STREET,
LONDON, E.C. 2.***Cable Address :
"Otoscope London."**Telephone No. :
London Wall 9226.*

**BUYERS ON COMMISSION OF
Drugs, Chemists' Requirements, Drapery,
Stationery, Jewellery, Silver and Electro-
plate Goods, Hardware, &c.**

Goods carefully selected from
Manufacturers and Dealers.
Expert knowledge of Best
Sources of Supply.

Business from Wholesale
Merchants and General Stores
of undoubted standing only
entertained.

FINE CHEMICALS for Scientific pur-
poses and for College and Technical
Institute Laboratories.

PHARMACEUTICAL CHEMICALS of
Standard Quality for Manufacturing and
Dispensing.

PHOTOGRAPHIC CHEMICALS in
bulk or ready packed for retailing.

**RADIUM and RADIO-ACTIVE
MINERALS.**

**MINERAL and GEOLOGICAL
SPECIMENS and SETS.**

TECHNICAL CHEMICALS for Glass,
China, Enamel, Varnish, and other
manufacturing purposes.

**AGRICULTURAL CHEMICALS, Fer-
tilizers, etc.**

Contractors to H.M. Government.
Price List sent free on Application.

HARRINGTON BROS., LTD.,

Manufacturing Chemists,

**4 OLIVER'S YARD, CITY ROAD,
LONDON, E.C. 1.** *Telegraphic Address:
SICCATIVE LONDON.*

LIQUID BARKOLA COMPOUND

**Wholesale 26/- per doz.,
less 10 & 5%. Retail 2/9 each.**

Each bottle (1 oz.) carries instructions to the chemist
to make up to the following Standard Formula—

Liq. Barkola Comp., 1 oz.; Tincture of
Gentian, 1 oz.; Syrup of Rhubarb, 1 oz.;
Syrup of Ginger, 5 oz.

Chemists charge according to their own scale for dispensing

**THE BARKOLA CO., LTD.,
42 Great Dover St., LONDON, S.E. 1.**

Proprietors of Barkola Alvexo, Barkola Balm, &c. &c.

A PROFITABLE PROPOSITION.

"FLUZO" POWDERS

(Trade Mark, Registered).
For Headache, Toothache, Neuralgia, and Rheumatism.
Sold at 1/3 per box of 12 powders, or loose at 2d. each;
two for 3½d.

Advertising matter with all orders, and Bonus for Window Shows.
Send for Price List and particulars.

A. S. PRICE & CO., LTD., Blackheath, Birmingham.

PERFUMERS ! SHORTAGE OF LABOUR

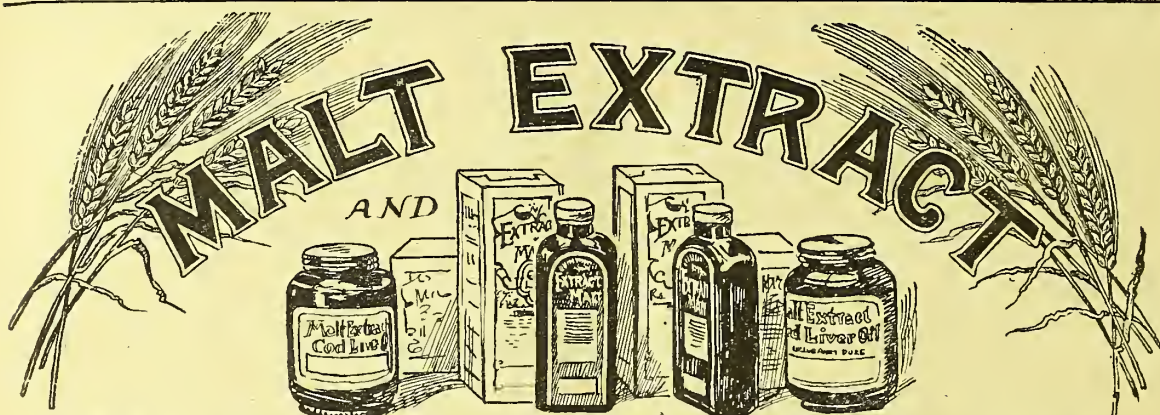
Advertisers are prepared to undertake the blending of Shampoo,
Tooth, and other Toilet Powders, in large or small quantities at
lowest possible rates. Good workmanship and prompt delivery.
Ingredients supplied if desired at lowest market prices. Write,
stating requirements.

MARTIN & CO., 71 City Road, Finsbury, London, E.C. 1.

NORRIS BROTHERS

LIMITED

*Chemical Manufacturers**Toilet Creams**Skin Serum for Eczema**Aspirin**Permanganate of Potash**Naphthaline, in all forms**Petroleum Jellies, in all shades**Pumice (Powder, Lump and Toilet)**Toilet Soaps**Peppermint Oil**Head Office:***107/111 MOORGATE STATION CHAMBERS
LONDON, E.C. 2***Works:* MANCHESTER AND LONDON*Branches:* PARIS ROME NEW YORK AMSTERDAM*Telephone Nos.:* { London Wall 1033
 " " 5168*Telegrams:* "Sirronbro London"*Codes:* A B C, 5th Edition; and Marconi



MALT & COD LIVER OIL

Prepared only from the finest East-Coast Barley, Combined with the best Norwegian Non-Freezing Cod Liver Oil.

Packed in Screw-Capped Jars, Bottles and Tins, holding 1 lb. and 2 lbs. Neatly Labelled and Wrapped. Customer's Name printed on Labels for Orders of 1 gross and upwards.

TELEPHONES:
Nitshill—Pollokshaws 14
London—Avenue 5661
(3 lines).

PERRY & HOPE, Ltd.

TELEGRAMS:
"Perryope, Nitshill."
"Perryope, Led, London."

NITSHILL, near GLASGOW.

London Office: 1 LEADENHALL STREET, E.C.3.

GREAT REDUCTIONS!

BRITISH Saccharin Tablets

Full Strength, 0.3 gr., 550, Saccharin in each.
100's 200's 500's Per lb.
Card Boxes 10/6 21/- 52/- 60/-
Aspirin Tablets, gr. v, per 1000, 10/-; per lb., 12/-; in card boxes—25's, 4/6; 50's, 8/6; 100's, bottles, 17/- doz.
Cascara Tablets, gr. ii, pearl-coated, per 1000, 5/-; in card boxes—25's, 2/-; 50's, 8/9; 100's, 6/9 per doz.
Formalin Tablets, contains $\frac{1}{4}$ -gr. Paraformaldehyde, per lb., 3/6; in amber screw-cap bottles, 50's, 7/6 per doz.
Bismuthated Magnesia Tablets, per lb., 3/6; in amber screw-cap bottles, 50's, 7/6 per doz.
Pine Tablets, 2/6 per lb.
Sulphur Tablets with Cream of Tartar, 2/- per lb.
Beet-shape Feeding Bottles, each in box, complete with transparent teat and valve, 7/6 per doz.
4-oz Jars with celluloid Caps, 36/- per gross.
Paper, Double Demy, 22 $\frac{1}{2}$ x 35, 86/- per ream.
" Nature Brown Cap, 18 x 28, 9/- per ream.
£3 value Carriage Paid. Cash with Order.

C. W. HARPER,

254 Stockport Road, Manchester.

Compressed Tablets, Fine & Heavy Chemicals, Druggists' Sundries, Glass Bottles.

Our Samples have proved more eloquent than our assertions.

INSEPARABLE

(Guaranteed)

WHITE EMBROCATION

"SNOW" WHITE.

BULK only

Per 10/- Gallon.

YOU write for sample to

THE GENERAL CHEMICAL CO.

Works address:

Queen Street, WIGAN.

EXTRACTS

POWDERED.

(Hopkins' Standardised).

SOLID.

We manufacture a full line of Solid Extracts, Powdered Extracts, Concentrations (resinoids), Oleoresins, and Drug Specialties from American Crude Drugs.

The following products are made by the Vacuo Process, assuring the benefit of full drug strength and characteristic odour and colour:—

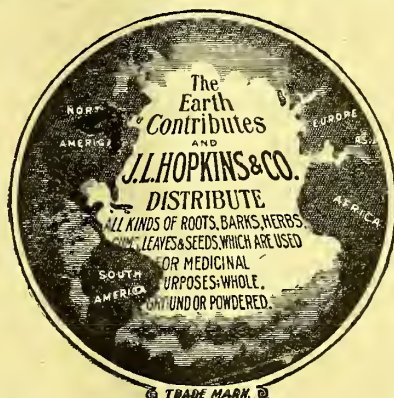
Witch Hazel
(Hamamelis).

Cascara Bark.

Yerba Santa.

Damiana.

Cannabis
(Americana)
phy. tested.



Elm Bark.

Wintergreen.

Mandrake Root.

Sassafras Bark.

Stillingia Root.

Golden Seal
(Hydrastis).

J. L. HOPKINS & CO., Drug Merchants, New York, U.S.A.

Twenty-Five per Cent. CLEAR PROFIT

is made on the sale of **BLENOSAN CAPSULES**. Owing to the extensive advertising propaganda embarked upon to the Medical profession, the sales are daily increasing. Every Chemist should be ready with stock to meet the demands of the Medical profession, who are prescribing **BLENOSAN** for the treatment of Gonorrhœa and other urinary troubles. ▲ ▲

On P.A.T.A.

32/- doz. Only size tin, 3/6 each



PREPARED BY
**ROBERT
FERBER
LIMITED,**
—98.104—
Oakley Street
LONDON, S.E.1

Ampoule Files

THE GREATEST PRODUCTION
IN THE WORLD
THE BEST. THE CHEAPEST.

Prices and Samples sent on application to—
SIM Ltd., Morges, Switzerland.

Major CYRIL SANKEY, late Royal Artillery, General Manager.

**LANKSHEAR, WICKSTEAD
& CO., LTD.**

Botany Mill, WOODLEY.

Telegrams: "RACEMIC, WOODLEY." Telephone : 230 Hyde

MANUFACTURERS OF

TARTARIC ACID B.P.

Crystal and Powder.

RALPH L FULLER & CO
LIMITED**DRUGS CHEMICALS****21 HARP LANE, LONDON, E.C. 3*****Offer for SPOT and FORWARD deliveries:—***

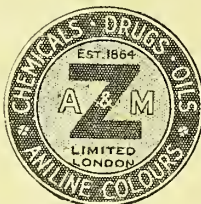
ACID BENZOIC	BROMIDES	POTASH CHLORATE
ACID CITRIC	COUMARIN	SACCHARIN
ACID SALICYLIC	HELIOTROPINE	SALOL
ACID TARTARIC	HEXAMINE	SODA BENZOATE
ASPIRIN	HYDROQUINON.	SODA SALICYLATE
ACETANILID	METHYL-SAL.	SUGAR OF MILK
BEECHWOOD-	PARALDEHYDE	TANNIC ACID
CREOSOTE	POTASH PERMANG.	VANILLIN

Through our NEW YORK House we can offer all lines of FINE
or HEAVY CHEMICALS, C.I.F. British or European Ports.

Phones : Avenue 3545 & 5907.

A. & M. ZIMMERMANN, Ltd.*(Established 1864)***CHEMICALS, DRUGS, OILS
AND ANILINE COLOURS.**

ACETANILID
ACID BENZOIC
ACID GALLIC
ACID TANNIC
ACID SALICYLIC
BROMIDES
CHLORAL HYDRATE



HEXAMINE
PARALDEHYDE
PHENAZONE
RESORCIN
SODA BENZOAS
SODA SALICYLAS
TERPINHYDRATE

Offices and Warehouse:**3 LLOYDS AVENUE, LONDON, E.C. 3.**

Telegrams :

"ZIMMERMANN, FEN, LONDON."

Telephone :

AVENUE 2262, 2263, 2264.

Telephones:
(Head Office),
AVENUE 1729 (3 lines).
(General Chemical Dept.),
AVENUE 6998 (2 lines).

CHAS. PAGE & CO., Ltd.,

Telegrams:
"PAGANINI
LONDON."

47/51 KING WILLIAM STREET, LONDON, E.C. 4.

SODIUM :

ACETATE,
CHLORATE,
FORMIATE,
NITRITE,
PHOSPHATE,
SALICYLATE,
SULPHITE,

BISULPHITE,
FLUORIDE,
HYPOSUL-

PHITE,
PRUSSIATE,
SULPHIDE,
TANNATE.

LITHOPONE.

NITRO BENZOL.

NAPHTHALINE (Flake, Nitro, Marbles).

ANILINE SALT.

LEAD :

ACETATE,
NITRATE,

ARSENATE,
RESINATE.

POTASH :

CHLORIDE, CHLORATE,
CARBONATE, PERMANGANATE,
PRUSSIATE (Yellow & Red).

ZINC :

CHLORIDE,
OXIDE,

SULPHATE,
CARBONATE.

PRECIPITATED CHALK.

GUIGNET'S GREEN.

ANILINE COLOURS.

COAL TAR INTERMEDIATES

T.&H.SMITH LTD

MANUFACTURERS

OF

MORPHINE, CODEINE

AND ALL OPIUM PRODUCTS.

CAPSICIN

SALICIN
STRYCHNINE
CANTHARIDIN
PODOPHYLLIN

CAFFEINE
EMETINE
CHLOROFORM
JALAP RESIN

ALOID
GINGERIN
THEOBROMINE
SCAMMONY RESIN

**Blandfield Works,
EDINBURGH.**

**25 Christopher Street,
LONDON, E.C.**

**37 Washington Street,
GLASGOW.**

A new palatable form of "YADIL" ANTISEPTIC
for internal administration.

ELIXIR "YADIL"

has proved clinically successful and
is now being brought to the
notice of the entire
Medical Profession.

ELIXIR "YADIL" ANTISEPTIC

Medical men are
advised that supplies
may be obtained from their
chemists.

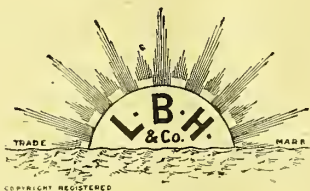
6-oz. Bottles only.

Retail, 4/6 Chemists, 40/6 per dozen.
All orders should be placed through usual wholesale houses.

CLEMENT & JOHNSON,

SOLE MANUFACTURERS,
19 SICILIAN AVENUE, LONDON, W.C. 1.

**L. B. HOLLIDAY & Co., LTD., HUDDERSFIELD,
ENGLAND.**



ARE MAKING AND CAN GIVE PROMPT DELIVERIES OF:—

SALICYLIC ACID, B.P.

ACETYL-SALICYLIC ACID B.P.

(ASPIRIN)

Finest Quality
Best Appearance
Lowest Price

TARTRAZINE

AURAMINE II.

METHYLENE BLUE, Z.F. CONC.

METHYLENE BLUE (Medicinal Quality).

FOR

FULL PARTICULARS APPLY

SALES DEPARTMENT.

L. B. HOLLIDAY & Co., LTD.
HUDDERSFIELD, ENGLAND.

TELEPHONE: 334 HUDDERSFIELD (4 LINES).
TELEGRAMS: "DYEWARES, HUDDERSFIELD."

CONTRACTORS TO H.M. GOVERNMENT

Telephone No. :
787 Trafford Park, Manchester

Telegraphic Address :
" Stevenut Manchester "

G. STEVEN & CO.

(G. STEVEN, Ph.C., M.P.S.—Proprietor)

WHOLESALE CHEMISTS AND DRUGGISTS
Cornbrook Works, Chorlton Road, MANCHESTER

We court inquiries for IMMEDIATE DELIVERY of

Chemical Food, packed and bulk

(Is of unsurpassed brilliance and free from inky taste)

**Compound Syrup of the Hypophosphites,
packed and bulk**

Compound Syrup of Glycerophosphates

Effervescent Saline in tins and bulk

Bismuth and Magnesia Tablets

Liquid Extract of Cascara

Liquid Extract of Ergot

Concentrated Infusion of Senega

Raspberry Vinegar

" Niobe " Toilet Specialities

(Chemist's own Name and Address)

We guarantee these preparations to be of the very highest quality

QUININE AND SALTS

CINCHONIDINE
CINCHONINE
QUINIDINE

SUGAR-COATED QUININE TABLETS & PILLS.
GELATINE-COATED OVAL PILLS

BANDOENG QUININE FACTORIES

BANDOENG-JAVA.

Telegrams—"Kininefabriek Bandoeng."

AMSTERDAM—Keizersgracht 173

Telegrams—"Schalkwyk Amsterdam."

SOLE AGENTS FOR THE UNITED KINGDOM—

C. M. & C. WOODHOUSE, 30 Mincing Lane, London, E.C. 3.

Telegrams—"Palmiste, Telew, London."

SAMPLES AND PRICES ON APPLICATION.

FOR QUININE & SALTS

ALSO

QUINIDINE
CINCHONINE
CINCHONIDINE } AND SALTS

AND

SUGAR-COATED QUININE TABLETS

MANUFACTURED BY
AMSTERDAM QUININE WORKS,
Wittenkade 48/50, Amsterdam,

APPLY TO

SOLE AGENTS for the UNITED KINGDOM:—

COURTIN & WARNER, 8 Harp Lane,
London, E.C. 3.

For samples, prices and particulars.

Telegrams: "Accourtiwa, Bilgate, London."
Telephone No.: Avenue 2220.

HENRI PELLIOU & CIE,

24 Place des Vosges, Paris (3°)

CREAM OF TARTAR 98/9%

CITRIC ACID

TARTARIC ACID

ALL ALKALOIDS & CHEMICALS.

Telegrams: "CHARPELLIO PARIS."

ALL . . .

Chemicals & Drugs

PHARMACEUTICAL and TECHNICAL,

WHOLESALE and EXPORT

INQUIRIES SOLICITED.

ETABLISSEMENTS

V. FRIEDMANN

20 & 20 bis rue Dagobert, CLICHY (Seine) France

Telegraphic Address: "MANFRIED-CLICHY"

(2)

Guaiacol Creosote Carbonate Novocaine

Phone—Gerrard 4755-6.

THE LAZARD-CODCHAUX CO., LTD.
422 Strand, London, W.C. 2.
MANCHESTER—78 King Street.
PARIS, NEW YORK, MONTREAL, SHANGHAI,
BRUSSELS, VIEUX CONDE.

BEATLEY

for

ALL CHEMICALS, OILS, DRUGS,
PHARMACEUTICAL PRODUCTS.

Can Offer Favourably from Stock.

ASPIRIN B.P.
ARGENT COLLOIDAL
BROMIDES.
CACODYLATE SODA.
COCAIN HYDROCHLOR.
CREOSOTE CARB.
GUAIACOL CARB.
GUAIACOL CRYSTALS.
HYDROQUINONE.
QUININE ETYHL. CARB.

POT. SULPHO.
GUAIAIC.
PHENACETIN.
PHENAZONE.
PYRAMIDON.
RESORCINE.
SPARTEIN.
TANNIGENE.
VERONAL.
XEROFORM.

Before Buying ask for Prices.

SOCIÉTÉ COMMERCIALE BEATLEY,
99 Fenchurch Street, London, E.C. 3.

Telephone: Avenue 823, 824 and 3425.
Telegrams: "Socombeat, Fen, London."

GIGNOUX FRÈRES & BARBEZAT,

Chemical and Pharmaceutical
Products, Drugs & Herbs.

DECINES, near LYONS, France.

HYDROGEN 12 vol. }
PEROXIDE 20 " } for Export.
100 " }

ETHERS

CHLOROFORM

CHLORAL HYDRATE

COLLODIONS

SPIRITS—ELIXIRS—
ALCOHOLIC TINCTURES

PHARMACEUTICAL
EXTRACTS
OF ALL KINDS.

Fluid Extracts for Syrups.

American Fluid Extracts.

Semi-fluid Extracts: Belladonna, Ergotine,
Gentian, Valerian, Liquorice, etc.

Extracts for Wines and Aperitifs, &c.

VETERINARY EXTRACT OF MALE FERN

24/25 % Filicine.

Kills the Liver Fluke & Cures Sheep & Cattle.

METALLINE

Metallic solution for capsuling vials, bottles, &c.

DRUGS & HERBS, FLOWERS, ROOTS, &c.

Arnica
Belladonna
Black Alder
Lavender

Gentian
Fern
Lime
Chamomile

Oak Moss, &c.

LONDON AGENT:

R. ANSAY, 44 Wilson St., Finsbury, E.C. 2.
Telephone: London Wall 3103.

SYRUP

ROBORANS

(ROBERTS).

Recognized by the Medical Profession
as **THE BEST TONIC.**IN 8 AND 16-OZ. BOTTLES OF ALL
WHOLESALE HOUSES.**ROBERTS & Co.***Pharmaciens,*

LONDON.

PARIS.

76 New Bond St., W. AND Rue de la Paix, 5.

ROBERTS & CO.INVITE
INQUIRIESFor **NEW & RARE****MEDICINES**OF
FRENCH
ITALIAN
AND
RUSSIAN
ORIGIN.**PRICE LIST**
sent on application

LONDON.

If we can **SAVE YOU MONEY** by quoting you

NEW YORK.

RELIABLE**GELATINES**at **PRICES LOWER** than you are **PAYING**, you will appreciate that we don't need a full page to bring it to your notice—**YOUR BUSINESS INSTINCT** will do that—all you want is our address:Telegrams:
"Maiden Southport"Code:
A B C, 5th Edition.**ALBERT E. MAIDEN, SOUTHPORT**A postcard to-day will bring you samples and
rock-bottom prices by return.Telephones:
244 & 540 Southport.**NICHOLSONS**

(NEWCASTLE-ON-TYNE). LTD.

HONEY**MOLASSES****SYRUP****DOUBLE N BRAND GUARANTEE OF PURITY.**
Telegrams
PYRAMID, NEWCASTLE-ON-TYNE.
Telephone: Central 1354 (2 lines).
HEATON JUNCTION, NEWCASTLE-ON-TYNE.

"I have used your Tablets with the most perfect and satisfactory results. The patients I treated with your tablets did not complain of either sickness or depression."

—L.R.C.P., L.R.C.S.

"I find my customers prefer your Aspirin Tablets to any other make. Therapeutically they are excellent and they are compressed just to the right point."

—A PHARMACIST.

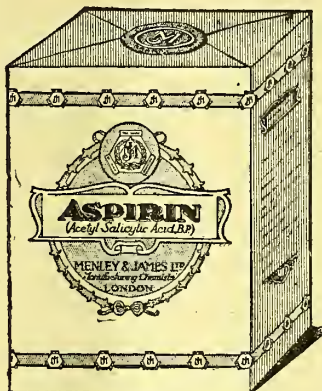
"The sample of Acid Acetylsalicylic is certainly as good as Bayer's. I have seen a lot of samples lately, and all have more or less free salicylic acid and the acetic odour predominant."—M.P.S.

"Your Sodium Salicylate is certainly much superior to any other present British manufacture that I have used."

—W. & C.

"A BEAUTIFUL EXAMPLE OF THE CHEMICAL ART."

—The Medical World.



Our Acetyl-Salicylic Acid is now issued in branded packages. It is super B.P. and is used exclusively in the manufacture of our Tablets for which we enjoy a high reputation. May we quote you?

MENLEY & JAMES, Manufacturing Chemists,
'Menley House,' Farringdon Rd., London, E.C.1.

"I have compared M. & J. Aspirin with other makes, but get quicker physiological action from M. & J. than with any other brand."

—M.B., B.S.

"I have a high opinion of M. & J. Chemicals. Aspirin M. & J. does not cause pyrosis that other makes have done."

—M.B., C.M.

"A well-known firm report that they tested six different brands of Aspirin Tablets and that the M. & J. Brand had come out on top."

—H.E.C.O.

"I find your Acid Acetylsal. is the nicest make of that article that I have had so far."

—Ph.C.

ASPIRIN TABLETS

(5 grain)

IN BULK
or
BOTTLES

FOR PRICES APPLY TO

**THE COOPER
LABORATORY**
WATFORD

ASPIRIN

PURE ENGLISH
ACETYL-SALICYLIC ACID, B.P.

M.P. 135° C.

Free from SALICYLIC, ACETIC,
TARTARIC, and CITRIC ACIDS,
BORAX and all other impurities
and adulterants.

The complete purity of our product, combined with its beautiful physical state and well-crystallised condition, render it easily superior in every way to the German product it has replaced.

*PHYSIOLOGICALLY PERFECT.
Supplied in Wholesale Quantities only.*

PICKARD, IVE & RANKIN, LTD.,
186/88 Walmer Road, Notting Hill, W. 11.
Phone: 4500 Park. Telegrams: "Pickiveran, Norkens."

NOVOCAIN & TRIVALIN

Notice to Chemists.

Orders for **NOVOCAIN** and **TRIVALIN**, as well as **SACCHARIN**, should be directed to us as heretofore.

The transference of our Agency for the sale of the "Ciba" Pharmaceutical Preparations does not affect our own **BRITISH MADE** products.

The SACCHARIN CORPORATION, Limited
Pharmaceutical Department, 36-37 Queen Street, LONDON, E.C. 4.

BEECHAM'S PILLS

WHOLESALE PRICES.

Beecham's Pills :

1s. 3d. size	...	...	...	...	10s. 6d. per doz. net.
3s. 0d. "	...	...	...	...	26s. 6d. " "
5s. 0d. {	new size	...	...	...	50s. 0d. " "
contains double the quantity of 3/- box.					

Beecham's Cough Pills:

1s. 3d. size	...	...	...	...	10s. 6d. " "
3s. 0d. "	...	...	...	...	26s. 6d. " "

Orders : Minimum quantity £5 value—approximately. | Packages FREE. Carriage PAID.

These Prices are the lowest no matter what quantity is ordered.

TERMS: CASH WITH ORDER.

Cheques to be made payable to **THOMAS BEECHAM**, and crossed "Parr's Bank, Ltd., St. Helens."



C We would be honoured
by your request for
sample of Reindeer Chem-
ically Pure Glycerine
and particulars of our
service.

CHRISTR. THOMAS & BROS., LTD

Distillers of Reindeer Glycerine

BROAD PLAIN, BRISTOL

Established 1745

PETROLEUM JELLIES

White, Yellow, Amber and Red.

For Pharmaceutical and General Purposes.

AMERICAN SPIRITS OF TURPENTINE,
OLIVE, CASTOR, COLZA OILS,
ROSIN, and LUX BLOOMLESS MINERAL OILS.

James Arnott & Sons, Ltd.

Newcastle-on-Tyne and Cardiff.

We offer

WAXES

—

PETRO. JELLY

—

LIQUID PARAFFIN

—

WHITE OILS

—

Send us your inquiries.

J. J. FRANCES & SONS,
LIMITED,
80a Southwark St., LONDON, S.E. 1.

PETROLEUM JELLY

K. MALMBERG,

110 Cannon Street, LONDON, E.C. 4.

AND AT NEW YORK

Telegraphic Address:
"Obtempero, Cannon, London."

Telephone No.:
City 6321.

All Petroleum Products

TECHNICAL AND MEDICINAL
WHITE OILS

PETROLEUM JELLIES,
WHITE, YELLOW, DARK

PARAFFIN WAXES

NEUTRAL OILS,
DEBLOOMED AND UNDEBLOOMED

PALE & RED LUBRICATING OILS

CYLINDER OILS,
STEAM-REFINED, FILTERED

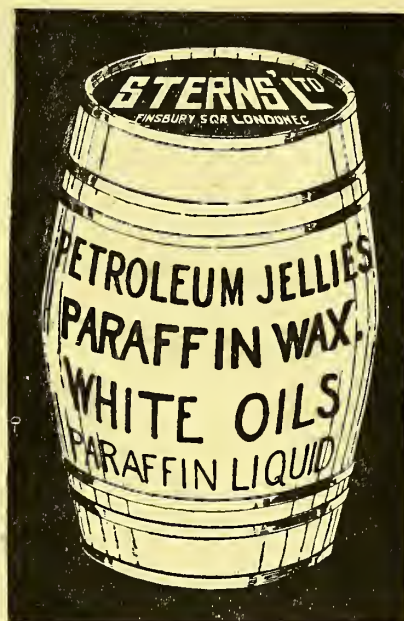
WHOLESALE ONLY

W. J. SMITH

Sole European Representative

The JAMES B. BERRY'S SONS CO. Inc.

110 CANNON STREET, LONDON, E.C. 4



STERN'S LIMITED

A.D.5., Royal London House, Finsbury Sq., E.C. 2.

Telephone:
3797 LONDON WALL.
(Four Lines.)

Telegrams:
"CENTUMVIR, PHONE, LONDON."
(Two Words only.)

PETROLEUM JELLY

ALL GRADES.

GUMS. WAXES. DEXTRINE.

W. M. Kidston & Co., 43/45 Great Tower st., London, E.C. 3.

Telegrams: "KIDSTONISM, BILGATE, LONDON."

Telephone: AVENUE 8057.

INDISPENSABLE AT ALL TIMES.

MEDICINAL

LIQUID PARAFFIN

WHOLESALE FROM

RELIANCE OIL COMPANY, Ltd.

(ESTABLISHED 1858)

19 & 20 Water Lane, Gt. Tower Street,
LONDON, E.C. 3.

Founded, Owned, and Managed by Britishers only.

Tel. No.:
Avenue 5891.

Tel. Address:
"Subastral London."

FINEST OIL SOAP

(Tivollier de Gourjon, Marseilles).

PURE SAFFRON

(A. Jaurand, Orleans).

PURE RICE STARCH POWDER.

CONFECTIONERS' COLOURS.

ANILINE DYES for all purposes.

For particulars and samples, apply to

PRONK, DAVIS & RUSBY, LTD.

119-120 London Wall, LONDON, E.C. 2.

Langley-Smith & Co.

Castor Oils, *Medicinal,
Lubricating.*

Colza Oils, *Best Pure,
Prepared.*

Linseed Oils,

*Best Raw,
Double Boiled,
Refined.*

Turpentines,
Best Pure Spirits.

Substitutes,
Best Grades.

Samples and Prices on Application.

**14-20 St. Mary Axe
London, E.C. 3**

Telegrams—"Tallowdom London."

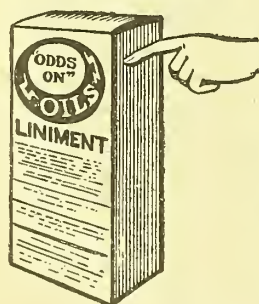
Tel. No.—Avenue 3820.

METHYLATED SPIRIT OILS AND CHEMICALS.

Buy from one of the Oldest Houses in the Trade.
Write for Prices. ESTABLISHED 1794.

SAMUEL THORNLEY, LTD., BIRMINGHAM

RAPIDLY INCREASING DEMAND FOR



"ODDS ON" OILS

Liniment for RHEUMATISM, SCIATICA, SPRAINS, &c:

WIDELY ADVERTISED. Retail Prices: 1/3, 3/- & 8/- bottles

Obtainable from all Distributing Chemists or direct.

The "ODDS ON" SPECIFICS CO., LD., 36-37 Cock Lane, LONDON, E.C.

FINEST **BLACKS** AND
COLOURS

(ALL SHADES)

**CARAMEL
COLOUR**

IN POWDER.

~~~~~

Guaranteed  
Harmless.

~~~~~

50

times the concentration
of Liquid Caramel.

Sample on application.

Soluble in

WATER	SPIRIT
OIL	TURPS
WAX	BENZOLINE
GLYCERINE	NAPHTHA
PETROLEUM	CREOSOTE

and

IN FACT—ANYTHING.

BLACK FOR INK.**MARKING INK.****ETERNITE**

A combined Stain and
Preservative for Wood.

HOUSEHOLD DYES.**RHEUMSOL BATH SALTS**

in 1/- Tins.

WILLIAMS BROS. & CO.

Hounslow, Middlesex.

A still further GREAT REDUCTION in the price of

Saccharin Tablets

	Full Strength. ½ gr., 330 in 1.	Half Strength. ¼ gr., 330 in 1.
1 lb., approx. 7,000 tablets	50/-	27/- per lb.
2 lb. „ 14,000 „	48/-	25/- „
5 lb. „ 35,000 „	46/-	23/- „
Less than 1-lb. lots	7 6	4/- per 1000
Packed in boxes of 100	9 -	5/- per doz. boxes.

Terms: Net Cash with Order.

Post Paid on £1 value upwards.

SACCHARIN POWDER, "Monsanto 550."

1 lb., 156/- 10 lb., 154/- 25 lb., 153/- 50 lb. 152/6 per lb.

Duty paid.

Net Cash with Order.

Delivered Free.

BROOK, PARKER & CO., Ltd., Manufacturing Chemists, Ashfield, Horton Road, BRADFORD.
Contractors to H.M. and the U.S.A. Governments.

THE ORIGINAL ADVERTISER
of

SACCHARIN TABLETS

STILL LEADS THE WAY.

Price of raw Saccharin advances daily.
IMPORTS ARE STOPPED. Are *You*
prepared? Our price REMAINS THE
SAME FOR THE PRESENT.

Quantity	½ grain	½ grain	½ grain
1 lb. ...	50/-	38/-	27/- per lb.
2 lbs. ...	48/-	36/-	25/- „
5 lbs. ...	46/-	34/-	23/- „
10,000	7/6	5/9	4/- per 1,000
100's, boxes	9/-	7/-	5/- per doz.

Cash with Order.

Window Bills Free.

FREE BONUS

With every order to the value of **£5** we pack 6 dozen
Transparent Hygienic Teats as Bonus, and a smart
Business-Pulling Window Show
in addition to Bonus Teats.

WALTON, Chemist, BATLEY.

ESTABLISHED 1871.

Telegraphic Address:
"Toothache Sheffield."

BRITISH Aspirin Tablets

9/- per 1000

Each tablet contains 5 gr. B.P. Aspirin.
As supplied by us to the Military Hospitals.
Bottles—25s, 4/6; 50s, 8/-; 100s, 14/9.

BRITISH Saccharin Tablets

3 grain 550 in 1.

In packets or bottles of 100, 200 or 500, and in
Bulk. Special quotations for quantities.

All drugs are tested, and tablets made in our
own factories, and guaranteed by

G. CARR & CO. Ltd.

Manufacturing Chemists,
Wilkinson Lane - SHEFFIELD.

CHEMICALS & DRUGS

QUALITY.—You can rely upon G.W.W. supplying chemicals and drugs exactly to sample or specification.

DELIVERIES.—You can rely upon G.W.W. dispatching your goods in accordance with delivery promises.

PRICES.—You can rely upon G.W.W. quoting you keen and competitive prices.

Will you send us your next inquiry?

GASTON, WILLIAMS & WIGMORE, LTD.

Telephone:
LONDON WALL
3040.

EXPORT and IMPORT MERCHANTS
20 BISHOPSGATE, E.C. 2

Telegrams:
GASTONORGE,
London."

NEW YORK
SHANGHAI
MOSCOW

PARIS
MILAN
TOKYO

ROME
LISBON
MADRID

CAPETOWN
PETROGRAD
VALPARAISO

SACCHARIN TABLETS

Made from Monsanto Saccharin, each guaranteed to contain $\frac{1}{2}$ gr. 330 in 1, 7,000 to the lb.

1 lb., 50/- 7 lb., @ 48/- 14 lb., @ 46/-

In envelopes each containing 100 @ 9/- per doz.

$\frac{1}{4}$ gr., 1 lb. 27/-, 7 lb. 25/-, 14 lb. 23/-

Cash with Order.

Carriage Paid.

R. GIBBINS & CO. Tablet Manufacturers

1 Birkbeck Road, Kingsland, LONDON, E. 8.

EUCALYPTOL (CERNOL),

B.P. STANDARD.

PEPPERMINT-KETONE

AND

All Grades Eucalyptus Oils

Large Stocks always on hand.

GILLARD GORDON, LTD.

SYDNEY - AUSTRALIA.

Largest Actual Distillers of
Eucalyptus Oil in Australia.

Cable ... "Gillard Gordon, Sydney."

SACCHARIN U.S.P.

Soluble 500 and Insoluble 550.

AVAILABLE FROM OUR STOCK.

Write or wire us for C.I.F. Quotations.

BENZOIC ACID, U.S.P.

BENZOATE of SODA, U.S.P.

Certified FOOD COLOURS FLAVOURING EXTRACTS

IMEX CORPORATION,

25 Beaver St., New York City, N.Y., U.S.A.

(Cable: "Imex Corporation, Twenty-five Beaver, New York.")

London:

Cecil J. Jacobs, Dunedin House,
Basinghall Avenue E.C.

Liverpool:

Heyworth, Hart & Co.,
24 Chapel Street.

Reference:—BRADSTREET'S, DUN'S,
or any Bank in New York.

We can offer from stock, afloat, and prompt shipment from New York:—

Acetanilid
Aspirin
Aldehydes
Acetic Anhydride
Bromides
Beta-Naphthol
Carbolic Acid
Coumarin
Citric Acid
Farina
Formaldehyde
Guaiacol Carb.
Dragon's Blood
Glycerine
Glycerophosphates

Glucose
Heliotropine
Hexamine
Hydrokinone
Lithia Carb.
Hypophosphites
Hypo. pea Xtals.
Mercurials
Methyl. Sal.
Milk Sugar
Phenacetine
Pepsin
Phenolphthalein
Pancreatin
Paraldehyde

Paraformaldehyde
Peppermint Oil
Potash Chlorate
Potash Permang.
Prussiates
Resorcin
Saccharin
Salicylic Acid
Soda Sal.
Salol
Soda & Acid Benzoate
Tartaric Acid
Terpineol
Tannic Acid
Vanillin

Also a full line of **HEAVY CHEMICALS, ANILINE OIL & SALT, SODA, BICARBONATE, CAUSTIC ASH, SULPHIDE, SULPHITE, BLEACHING POWDER, BICHROMATES, ZINC DUST, &c. &c.**

Obtain our quotations before ordering.

(Phone 5763 HOLBORN.)

ASPIRIN TABLETS.

Every tablet guaranteed to contain gr. 5 PURE ASPIRIN, B.P., m.p. 135.5, as supplied by us on contract to the Allied Armies.

Packed for the Trade, in unlabelled bottles, as follows:

25's—4 6 per dozen. 50's—8/3 per dozen. 100's—14/9 per dozen.
Bulk, 8/9 per 1000.

(Stock labels supplied if desired.)

ASPIRIN, B.P., superfine quality, 7/6 per lb.

SPECIAL QUOTATIONS FOR QUANTITIES.

SEND FOR SAMPLES.

THE KEENE COMPANY

Manufacturing Chemists and American Merchants,

52 Gray's Inn Road, LONDON.

335 Broadway, NEW YORK.

11 Rue Condorcet, PARIS.

Contractors to His Majesty's War, India and Munition Departments. Contractors to The Allied Government's Military Hospitals. Members of American Chamber of Commerce in London. Members of London, British and Latin-American Chambers of Commerce.

EUCALYPTUS OIL (RECTIFIED).

Eucalyptol Content ... 70/80%
Optical Rotation ... 0 to 1
Specific Gravity ... '919 to '928
Absolutely Free from Phellandrine.
Quotations by Cable. Wholesale Trade Only.

BURNSIDE & COMPANY
Eucalyptus Oil Distillers,
VICTORIA, AUSTRALIA.

New Postal Address—Cables—"Burnside Company,"
499 Flinders Lane, Melbourne. Melbourne.

BELLADONNA ROOT. CAMOMILES.

LIQUORICE. Cut Decort.
LIQUORICE. Powdered.
SQUILLS.

WHOLESALE ONLY.

F. J. CARMICHAEL & CO.,
17 Water Lane, LONDON, E.C. 3.

ASPIRIN TABLETS

ENGLISH ASPIRIN ONLY. EACH tablet contains 5 grs. B.P. Aspirin of the well-known make of Pierson, Morrell & Co., Ltd.

25's, 4/9 per doz.

In cartons, 3d. per doz. extra.

An Attractive
and Elegant
Display Box.

**100's, 15/-
per doz.**

REGISTERED.

With own name and address if required.

H. & T. KIRBY & CO., Ltd., Newman House, Willesden Green, London, N.W. 2
CONTRACTORS TO H.M. WAR OFFICE.



**50's, 8/6
per doz.**

One or more of
these boxes given
free according to
the requirements
of each order.

1000, 9/-

SAMPLES
FREE ON
APPLICATION.

SPECIAL
QUOTATIONS
FOR LARGE
QUANTITIES.

DESIGN.

A selection of 30 varieties of labels

British Merchants Incorporated, Ltd.

37 Eastcheap, LONDON, E.C. 3.

Telegraphic Address: "STRIKINGLY LONDON."

OFFICES AT

LIVERPOOL, MANCHESTER, GLASGOW,
PARIS & NEW YORK.

EXPORT—IMPORT.

*Drugs, Chemicals and
Pharmaceutical Products.*

**Cream of Tartar
Tartaric Acid**

Quotations given on application.

P. WHIPMAN & CO. LTD.

(Governing Director: PHILIP WHIPMAN.)

Drug Merchants & Importers

CAN SUPPLY FROM STOCK

Aconite Root
Algae, Cape
Aniseeds
Burdock Root
Belladonna Root
BALSAM COPAIBA
Camomiles
Cardamom Seeds
Cassia Fistula
Cochineal
Cuttlefish Bone
EUCALYPTUS OILS
Ergot
GUM TRACACANTH
Gentian Root
Guaza

Hellebore Root & Pulv.
Insect Powders
Ipecac.
Licorice Root
LICORICE JUICE
SAFFRON
Sarsaparilla
Sage, Rubbed
Scopolia Root
Senega Root
Senna Leaves
TURPENTINE, VENICE
(substitute)
Uva Ursi Leaves
Valerian Root
Wormseeds

Inquiries solicited for **ALL CRUDE DRUGS**

Telegrams: "WHIMAZUSA LONDON."

Telephone: AVENUE 5265.

4 NEW LONDON ST., LONDON, E.C. 3.

THE MOST ECONOMICAL INFANTS' FOOD.

TRADE MARK

FRAME FOOD

ON P.A.T.A. LIST.

SHOWCARDS FREE.

FRAME FOOD CO., Standen Road, Southfields, London.

VIKING
CHEESE RENNET

WHOLESALE.

24/- per gallon tin
12/6 " ½ " "
6/3 per quart jar
3/- " pint "
1/7 " ½ " "

RETAIL.

29/- per gallon tin
15/- " ½ " "
7/6 per quart jar
3/9 " pint "
2/- " ½ " "

These prices include containers and carriage paid.

VIKING RENNET and ANNATTO must not be resold to Cheesemakers at more or less than the retail prices stated above.
VIKING ESSENCE of RENNET JUNKET TABLETS, and JUNKET POWDER.

Prices on Application.

Sole Manufacturers—

THE VIKING RENNET CO., LTD., 19 Clapton Square, London, E. 5.

VIKING
ANNATTO

WHOLESALE.

12/6 per gallon jar
6/6 " ½ " "
3/6 " quart "
2/2 " pint "

RETAIL.

15/6 per gallon jar
8/- " ½ " "
4/3 per quart jar
2/6 " pint jar

LOFTHOUSE & SALTMER, Ltd.

Wholesale and Export Drug Merchants,
Manufacturing Chemists

HULL.

INVITE the Trade to take up the following valuable
P.A.T.A. Protected Lines, bearing a very large
Protected Retail Profit, which sell freely and are
well known and valued by the Public in many parts
of the country.

	P.A.T.A.	Protected Retail Price.	Dozen Net
* LOSALL'S SALT (well advertised), tins	9d.		6/6
* " " " " " " " "	1/6		13/-
* " " " " " " " "	bottles in cartons } 2/-		16/-

** Losall's Salt sells so well, surely it
must pay Pharmacists to stock such
a big profit-bearing protected line.*

LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap,
especially suitable for use in Eczema. }
3 Tablets in a box at 8d. each tablet. }
Box. Doz.
2/- 18/-

GOOD!
IT'S MASON'S
The Drink for the Masses

Millions of glasses used daily
by workers all over the Empire

Please allow us to Sample and Quote—

Citrate Magnesia
Health Salt
Salines
Liver Salt
Blood Salt
Sulph. & Sarsap. Salt
Lemonade
Crystals, &c.



NEWBALL & MASON
NOTTINGHAM



VITAMOGEN contains the essential *Vitamines* in an active and concentrated form. **VITAMOGEN** is in itself a food of the highest potency, rationally concentrated according to approved scientific methods. It is rich in organic, i.e. assimilable Phosphorus, and the proportion of nutritive constituents is well balanced to meet the physiological needs of the organism. **VITAMOGEN** stands alone as a means of supplying the *Vitamines*—an entirely new food element. **VITAMOGEN** is packed in two sizes, 2/9 and 5/9, obtainable from all the principal wholesale houses. **VITAMOGEN** owes its origin to our Chairman, who, 20 years ago, invented Virol, the well-known Invalids' Food.

24 HOLBORN,
LONDON, E.C. 1.

Vitamogen
LTD.



LIQ. SANTAL FLAV. C. BUCHU et CUBEBA

(Hewlett's)

Packed for dispensing only,
in 10, 22, 40 & 90 oz. bottles.

"Experience has shown this preparation to possess the same efficacy as Santal Oil itself. It mixes clear with water, and has a taste by no means disagreeable."

The Practitioner.

VIROPHOS

Of proved utility in Nervous Diseases,
and a powerful Restorative for the
Digestive Organs and Nervous System.

A Valuable Tonic Food for Children.

"It is of high nutritive value enhanced by the presence of assimilable phosphates."—*The Lancet.*

WHOLESALE PRICES.

No. 1.	1½ oz. Tin	9/- per doz.
" 2.	3½ " "	14/6 "
" 3.	6½ " "	24/- "
" 4.	12 " "	42/- "

MIST. PEPSINÆ CO. C. BISMUTHO

(Hewlett's)

Packed for dispensing only,
in 10, 22, 40 and 90 oz. bottles.

"Obviously likely to be of much advantage in the frequent cases of irritative dyspepsia, with atony of gastric or intestinal muscular layers."

British Medical Journal.



Introduced and Prepared only by C. J. HEWLETT & SON, Ltd., Wholesale Druggists, 35-42 Charlotte St., London, E.C. 2.

EXTRACT OF MEAT

(IN BULK).

DIRECT IMPORTER

FROM

AUSTRALIA, ARGENTINA, BRAZIL,
URUGUAY, &c.

IN VARIOUS QUALITIES.

I invite your Inquiries.

C. J. PIGGOTT,

PRODUCE IMPORTER,

19 EASTCHEAP, LONDON, E.C. 3.

Recommend it for Convalescence



Doctors prescribe Turtle Soup in all cases where the patient cannot retain any other nutriment.

FREEMAN'S REAL TURTLE EXTRACT

is the real meat of selected West Indian Turtles, compressed into handy tablets; it provides all the delicacy and nourishment of soup made from fresh killed turtles, and is quickly prepared as it requires nothing but boiling water.

For hospitals, nursing and convalescent homes it can be strongly recommended as the best, safest and handiest invigorator obtainable.

The trade terms are particularly favourable, and particulars can be obtained by writing to

The Watford Mfg. Co. Ltd.
Beletoland, WATFORD

Freemans
FOOD PRODUCTS
Watford
S.A.A.

P.A.T.A. NOTICE.

113 Temple Chambers, E.C. 4.

The following prices will come in force as from the date of this issue:

Advertised Price.	Minimum Retail Price.	Minimum Wholesale Price.
Parke, Davis & Co.'s Preparations:		
6's Glycerin Suppositories } ...	1/3	9/9 doz.
12's (Adults' or Children's) } ...	1/9	13/2 "
1/4 lb. Thermofuge ...	1/9	15/3 "
1/2 lb. " ...	2/9	24/9 "
1 lb. " ...	4/6	40/6 "

Pomeroy Shampoo Powders

1/6 (box of 7 pkts.)	1/6	12/6 doz. bxs.
----------------------	-----	----------------

Special Discounts { 2 1/2 % cash in 1 month.
5 % on £5 parcels assorted goods.
Carr. pd. on 20/- lots "

Thompson & Capper's Preparations:

2/6 Dentifrice Water	2/6	22/6 doz.
4/6 " "	4/6	40/6 "
8/6 " "	8/6	76/6 "
16/6 " "	16/6	148/6 "

**RAYOLENE
BLACK JAPAN**

The best preparation for Fire Ranges, Cycles, Mail Carts, Gas Stoves, &c., exactly as supplied to Coach and Carriage Painters. Free from methylated spirits.

	9d. tins.	1/2 pints.	Pints.
Retail Prices	9d.	1/6	2/9
Wholesale	6/6	12/6	24/- per dozen

One box, containing 8 dozen 9d. size, or 4 dozen 9d. and 2 dozen 1/6 sizes, sent carriage paid for 48/-

**RAYOLENE
Oil Varnish Stains**

Brilliant, durable, and easy to apply. The popular shades are: Oak, Walnut and Mahogany.

	9d. tins.	1/2 pints.	Pints.
Retail Prices	9d.	1/8	3/-
Wholesale	6/6	13/6	26/- per dozen

One box, containing 4 dozen 9d. and 2 dozen 1/6 size (all one shade or assorted) sent carriage paid for 50/- nett. 3 boxes less 5 % discount.

TEXALO MANUFACTURING CO.

Manufacturers of

PAINTS, VARNISHES, WATER PAINTS, DISTEMPERS, &c. &c.
SOUTH SHORE, BLACKPOOL, LANCs.

Write for Complete Price Lists.

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.
FOR QUOTATIONS apply to—

PRESTON'S LIVERPOOL DISTILLERY CO. LD.

The Largest Makers in the Kingdom.

BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office: 4 India B'ngs, Water St., Liverpool.

Telephone: 138 Pendleton. ESTABLISHED 1855. Telegraphic Add.: "Champagne Manchester."

B. ROBINSON & CO., Ltd.

PENDLETON, MANCHESTER.

CONCENTRATED WATERS

Aqua Amygd. Amar. Conc. (U.S.)	Aqua Cassiæ Conc.	Aqua Pimentæ Conc.
" Anethi Concent.	" Flor. Aurant. Conc.	" Pulegii "
" Anisi "	" Sambuci Conc.	" Rosmarini "
" Camphoræ "	" Fœniculi Conc.	" Rosæ "
" Caryophyl "	" Menth. Pip. Conc.	" " Virgin Conc.
" Carui "	" " Ang. Conc.	
" Cinnam. Ver. Conc.	" " Virid. Conc.	

WHOLESALE TERMS ON APPLICATION.

Robinson's Concentrated Waters are stocked by all the best known Drug Houses. Chemists are advised to get into direct communication should they experience difficulty in obtaining them. They are unsurpassed by any other make.

STANDARDISED Customs drawback on Export Orders now allowed. Inquiries solicited, which shall have **TO B.P. 1914.** prompt attention. Samples **Free to the Trade.**

NOTE.—These **ORIGINAL** Concentrated Medicinal Waters (1-40) still maintain their foremost position. **REFUSE ALL SUBSTITUTIONS OR IMITATIONS.**

ENO'S

"FRUIT

SALT."

Prepared only by J. C. ENO, Ltd., 'FRUIT SALT' WORKS, LONDON, S.E.

A. DE ST. DALMAS & CO.*Contractors to
His Majesty's Government.***LEICESTER.***(Established 1828.)*


—MANUFACTURERS OF—

MEDICAL PLASTERS**Spread Plasters.** Adhesive, Belladonna, Soap Cerate, Roborans, Flesh colour Adhesive, &c.**Hospital Strapping.** On Holland Pure Stout Calico, &c.**Porous Plasters.** All kinds. On Cotton Cloth Red Felt, White Kid, &c**Rubber Adhesive Plaster.** On Cotton Cloth or Holland—In Tins or on Spools.*Court Plasters, Toothache Plasters, Corn and Bunion Plasters, Mustard Leaves, &c.***SURGICAL BANDAGES**Waterdressing, Fastedge, Calico, and Flannel Bandages, Elastic Web,
Crepe Velpeau, and Plaster of Paris Bandages.**THE LEICESTER "VARICO" LEG BANDAGE.**

TRADE MARK.

RENDELL'S
SOLUBLE QUININE PESSARIES.

THE WORLD-WIDE REPUTATION that these Pessaries have obtained since their invention by W. J. Rendell in 1885 has induced unscrupulous persons to place upon the market worthless and injurious compounds, with colourable imitations of W. J. Rendell's labels. To distinguish the genuine Pessaries from these fraudulent concoctions, see that the Registered Trade Mark and Number, in **RED INK**, are upon each box thus:

Registered
Trade Mark, 
without which
none are genuine.
No. 182,688.

W. J. Rendell
No. 182,688

Registered also in Australia, India, The Cape, The Argentine, Germany, &c.

IMPORTANT NOTICE AND CAUTION.

Several injunctions in the High Court of Justice having already been obtained (reports of which have appeared in "THE CHEMIST AND DRUGGIST"), W. J. RENDELL'S SOLICITORS are instructed to take proceedings against all persons (Makers or Vendors) fraudulently using the name of "W. J. RENDELL," "RENDELL," or any colourable imitation thereof in connection with Pessaries NOT manufactured by

W. J. RENDELL,
INVENTOR AND SOLE MAKER,
15 CHADWELL STREET, CLERKENWELL, LONDON, E.C.



(10)



"NORVIC" CREPE BANDAGE

(Regd)

SUPERIOR ENGLISH MANUFACTURE. FAST WOVEN EDGES

"I'm as fit as
any Jack when
I have my
Norvic Crepe
Bandage."

Extremely Elastic, but contains no Rubber.

Invaluable for binding. Displaces rubber and elastic web. More durable and one-third the cost. The Norwich Crepe Bandages, containing wool, will provide warmth, and do not absorb grease readily. Self-clinging and self-adjusting. Perfectly cleansed, sterilised, and resiliency entirely restored by washing in hot soft water (with addition of a little soap). The edges will not fray out nor ravel. Made and supplied to the leading wholesale houses, neatly wrapped in labelled packages. Commended by the medical and nursing professions. Send for prices and samples to the sole manufacturers—

The NORWICH CRAPE CO. (1856) Ltd. (ST. AUGUSTINE'S), Norwich, Eng.
SILK MILLS.

Provincial Selling Agents, **Freese & Moon, Ltd.**, 59 Bermondsey Street, London, S.E. 1.
London Buyers can obtain samples & prices from **Mr. T. Eastaway**, London Representative, 7 Wool Exchange, E.C.

Established 1839.

Chemists' Overalls Gardiner & Co.

We supply protective overalls and aprons in any colour or style required. They are made by experienced hands for all branches of the chemical trade.

Keenest Quotations sent on request, or a special representative will be pleased to call.

Head Office: **Gardiner & Co. (The Scotch House) Ltd.**
1 Commercial Road, E. 1.

Phone: 8650 Ave.

TO PLEASE YOUR
CUSTOMERS, STOCK

Overton's Foot-Balm

A REAL Foot Remedy
with a big Profit.

R. H. ALLEN & CO.

Manufacturing Chemists,
122/124 Wells Road, Sydenham,
LONDON, S.E. 26.



ARRIVAL OF LIMITED STOCK OF



After being for long practically without stocks, we have now just received a limited re-starting lot, which will be equitably and proportionately distributed.

PRICES.

Retail.	Trade.
9d.	7/7 per doz.
1/3	12/8 " "
2/6	25/3 " "

Less 5% for payment at 1 month.
£3 and up. carr. paid.

The Trade may therefore now order, through their Wholesalers or direct from

**J. E. GARRATT, 96 Southwark Street,
LONDON, S.E. 1**

Dr. MACKENZIE'S SMELLING BOTTLES.



To conform with the Patent Medicine Duty, and allow for increased all-round costs to both Manufacturers and Retailers, the new minimum P.A.T.A. Retail Price will be

2/-

The New Price to Retailers will be
19/- PER DOZ.

Dr. Mackenzie's Smelling Bottles are being more extensively advertised than ever before, and it is hoped that Retailers will assist by displaying the goods.



Dr. Mackenzie's Laboratories, Ltd.

READING.

And

J. C. GAMBLE & CO.
46 Farringdon St., E.C. 4.

F. TUNBRIDGE } Directors.
J. C. GAMBLE }

ALL WHO SEEK A LINE OF EXTRA QUALITY, FINEST VALUE AND BEST BUSINESS

CAN FIND EXACTLY WHAT
THEY ARE LOOKING FOR
IN THE FAR-FAMED

OYLERS

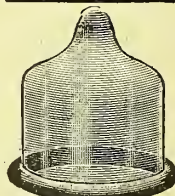


It will Pay you to write us and get our full details, Prices and Samples. No matter whether you are Sundriesman, Shipper, Wholesaler, Retailer or maker-up of Baby Soothers or Feeding Bottles, this line is full of merits that will bring you most satisfactory Trade

Teats made from highest grade Ceylon Rubber, toughest, most supple, transparent and durable.

ALWAYS GROWING IN DEMAND BECAUSE MOST HYGIENIC, BEST FOR BABY'S HEALTH. EASIEST TO CLEAN AND STERILISE. BEST UNDER ALL TESTS, INCLUDING BOILING. STAND ALL CLIMATES, BEST FOR BOTH HOME AND EXPORT TRADE.

Here is a small selection from our great variety



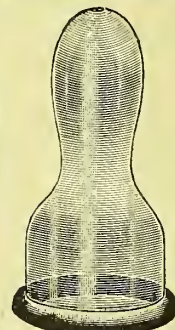
No. 45.



No. 50 R.



No. 4 R.



No. 90.

OYLERS Ltd

35 New Cavendish St., Harley St., LONDON, W. 1.

Phone: MAYFAIR 681

Wire: "OYLERSM. WESDO. LONDON."

SEAMLESS RUBBER TRANSPARENT TEATS

IT CLEANS WHEN OTHERS FAIL.

"CASSO"

Cleans immediately, with NO exertion, Baths, Marble, Paint Work of every description, Brass, Silver, Tiles, Toilet Ware, Linoleums, Floors, Sinks, Kitchen Table Tops, &c. &c.

Removes Grease or Dirt from the Hands, and does not injure the Hands or Clothes.

"CASSO" has no faults, it does not deteriorate through keeping in stock, does not injure or scratch the finest enamel work.

"CASSO" is packed in 1-lb. Tins retailing at 1/-, and 2-lb. Tins retailing at 1/10. Money returned to any customer who is not satisfied.

"CASSO" shows a GOOD Profit to the Retailer.

Sole Manufacturers:

The CASSON CHEMICAL

CO., LTD.,

11 Craven Hill, London, W. 2.

Phones: PADD. 321, 322 & 3518.



EXCELSIOR CREPE BANDAGES. FAST EDGE.

Owing to the War, the supply of Crepe Velpeau Bandages is discontinued. We, are, therefore, placing on the market a bandage of English manufacture which will be sold as



TRADE MARK.

GIMBER'S EXCELSIOR CREPE BANDAGE
An Elastic Bandage. Containing no India rubber. Superseding Elastic Stockings, Webs, Bandages, and at half the cost. Three sizes, about 2, 2½, and 3½ inches wide. Excelsior Crepe Abdominal Binders.—Useful after many Abdominal Operations, and for ladies after confinements. Two sizes: 8 & 11 in. wide.

CAUTION.—Beware of fraudulent and useless imitations, and reject all Bandages not bearing the above Trade Mark on the Wrappers.

Wholesale of
W. GIMBER & SON, Surgical Bandage and Instrument Makers, 44 Queen's Rd., PCKHAM, LONDON, S.E.
And of all Wholesale Druggists, Chemists, Surgical Instrument Makers, &c.
Telephone: New Cross 1601 Descriptive Circular & Price List on application.

THE LONDON "FIT WELL" BABY COMFORTER



WHOLESALE & EXPORT ONLY. SHIPPERS SUPPLIED.

Manufactured by **EPHRAIM WOOLF**,
30 PRIORY AVENUE, WALTHAMSTOW.

Works:—633 FOREST ROAD, WALTHAMSTOW, LONDON.

Please Write for Samples, Post Free.

RUBBER TEATS, BONE SHIELDS, Etc., SUPPLIED SEPARATELY.

GELATINES

FINE LEAF GELATINE
PURE CALF

“ALBION” BRAND

(In 1 lb. Packets.
112 × 1 lb. Packets to Case.)

MADE IN ENGLAND.

FINE CRYSTAL GELATINES.
PURE SKIN GELATINES.
POWDERED GELATINES.

Samples on application from

OURY, MILLAR & CO.,

Telegrams:
“OLMENTH,
LONDON.”

9 Mincing Lane,
LONDON, E.C.

Telephone:
4978 AVENUE.

Aquaperia Aperient Water and Shortage of Bottles.

Owing to the **LARGE INCREASE IN THE DEMAND FOR AQUAPERIA**, CAMWAL, LTD., now offer 2/6 per dozen for **AQUAPERIA BOTTLES**, carriage paid to any of their Branches, or, on receipt of postcard, will collect same in their delivery areas, allowing 2/- per dozen. Apply to—

CAMWAL, LTD., 112 PEMBROKE STREET, CALEDONIAN ROAD, N.
BRANCHES—Birmingham, Bristol, Harrogate, Manchester, Mitcham, etc.

Deliverance Found, Life Restored and Health Preserved.

CURACEA

*Rapid Sales
— Good Profit*

— put in your stock of G.O. Lemonade, now! There will be a demand right through the summer months. Those who sell it know that it literally creates trade.

G.O. LEMONADE

makes a delightful beverage by simply dissolving in cold water. **NO SUGAR REQUIRED.**

RETAILS at 2d., 3½d., and 6½d. per packet.
(P.A.T.A. Face Value).

G.O. Lemonade is packed in attractive Show Outers. Smart Showcards are sent with all orders.

SPECIAL OFFER FOR C.W.O. (Carriage Paid).

2 gross 2d. @ 17/6 per gross	...	...	£1 15 0
6 dozen 3½d. @ 30/-	...	...	0 15 0
(1 dozen 6½d. Free in payment for display)			£2 10 0

The GREENWICH LEMONADE CO.

(J. MILNER, M.P.S., Proprietor)

209 Trafalgar Road, GREENWICH, S.E. 10.



From the
Heart
of the
Malvern
Hills.

BURROW'S MALVERN

—STILL AND SPARKLING—

have long been known as the purest and softest waters obtainable. Their source—the St. Ann's Spring, Malvern—is situated high up on the side of the Worcestershire Beacon, at a height of 820 feet above sea level, and free from all possible cause of contamination.

Full Particulars and Trade Terms from
W. & J. Burrow, Ltd., The Springs Malvern.
Temporary London Offices: 5 Norfolk News, Paddington.
Phone: Padd. 1810.



HAY'S

*CONCENTRATED
SOLUBLE & FRUIT*

ESSENCES

Are Acknowledged to be
the finest in the Market

*For the Manufacture of High-class
Aerated Beverages, Liqueurs, Cordials,
Syrups, &c.*

LONDON

WILLIAM HAY, Ltd., Essence Distillers.

LONDON DEPOT—3 York St., WALWORTH, S.E.

Head Office and Laboratories—HULL.

Telegraphic Address: { "Bushworth, London."
"Ginger, Hull."

Code: ABC, 5th Edition.

Orders for Two Gallons and upwards of Essence may be shipped under Bond.

Indentors when ordering should specify HAY'S Manufacture.

TO THE TRADE

You can now obtain
'Prana'
Sparklet Bulbs
(Type 'C')

for use with 'C' or 'D' Syphons

**Price 33/- per doz. boxes
to retail @ 3/6 each.**

.....

Empty 'D' bulbs should be returned for refilling.
'B' bulbs will be on sale again at an early date.

.....

**AERATORS Ltd., EDMONTON,
LONDON, N. 18.**

STOCK**'VIN-IRO'**

"The Wine that Strengthens."

In great demand everywhere. "VIN-IRO" shows a good profit, and is regarded by competent judges to be the finest Tonic Wine offered to the public.

WHOLESALE PRICES ... Large Bottles, **42/-** per doz.

" " " Half " **23/-** " " " Carriage paid.

RETAIL PRICES ... Large size, **4/6** per bottle.

" " " Half " **2/6** " " " Showcards supplied.

Meat and Malt Wine

Prepared from **Grand Alto Douro Port**, Choice Extract of Beef, and Fine English Barley Malt.

Large Bottles ... **54/-** per doz.

Minimum quantity, 3 doz. lots. Carriage paid.

Packed under three varieties of labels.

Messrs. Haworth & Airey,

Wine Shippers and Tonic Wine Specialists,

BURY, LANCS.

Telephone 470.

Telegrams: "Vin-Iro Bury."

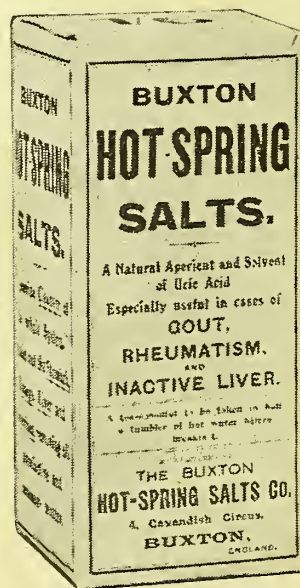
**WINOX
Wine Food**

is a high-class
Pharmaceutical
Wine, containing
all the food ele-
ments of Meat, Malt
and Unfermented
Grape Juice.

Unsurpassable for In-
fluenza; invaluable for
Anæmia, Lassitude, Neu-
ralgia, Nerve and kindred
troubles.

Wincox will stand any
climate, and contains no
harmful drugs.

Price 5/6 per bottle retail.
Chemists who do not already
stock Wincox should apply
for price to WINOX LTD.,
Richmond, Surrey.

**THE WINNING FAVOURITE
Buxton Hot-Spring Salts**

Sells on sight.

A sound Article.

Unlike all others.

Aphenomenal repeater
and profitable to handle.
Now extensively ad-
vertised.

Wholesale through

**Messrs. JOHN
THOMPSON & CO., Ltd.
LIVERPOOL**

and principal whole-
salers.

An opening order for
1 doz., **13/6**, sent with
showcard, carr. paid,
to any town in the
British Isles direct
from—

THE BUXTON HOT-SPRING SALTS CO.

**4 Cavendish Circus,
BUXTON, DERBYSHIRE.**

Summer has come—

and with it the demand for a Cooling, Refreshing Beverage. If you are then ready to meet that demand—as you can be by stocking IDRIS Lemon Squash and IDRIS Lime Juice Cordial, pure, healthful, satisfying, attractively bottled—that, obviously will be to your financial advantage. Our advertising campaign will make sales easy; the name IDRIS guarantees the quality.

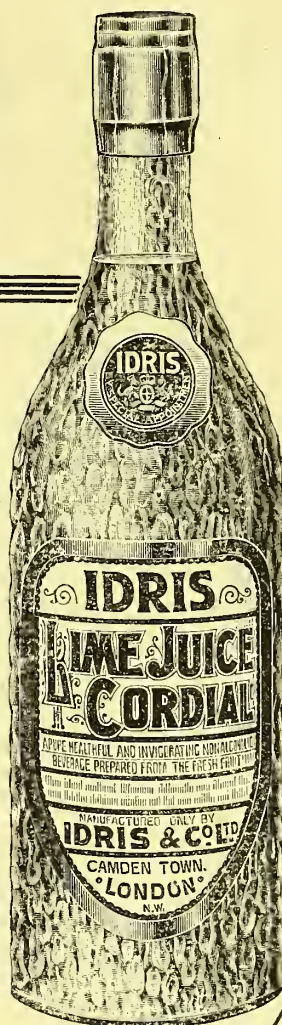
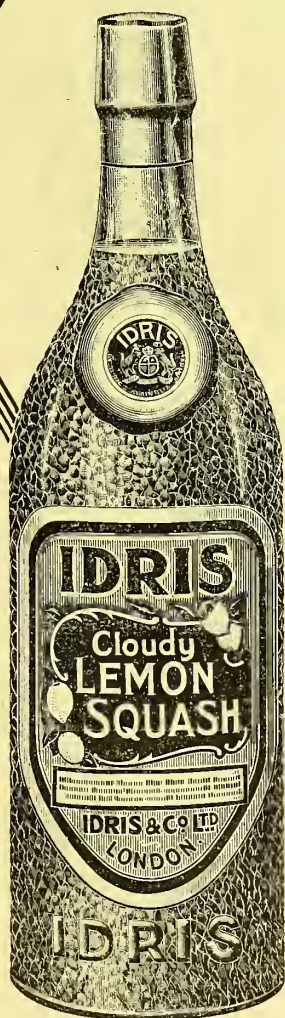
1919 Terms, etc., await your request.

Communications to the

Sales Manager, Dept. T.2,

IDRIS & CO., Ltd.,

Camden Town, LONDON, N.W. 1.



DEARBORN Limited,

37 Gray's Inn Road, LONDON, W.C.

Toilet Specialties.

		Price per doz. to Retailer.	Selling Price P.A.T.A.
PILENTA SOAP . . .	a complexion soap . . .	10/-	1/-
PROLACTUM . . .	for the lips . . .	10/-	1/-
PARSIDIUM JELLY	for wrinkles . . .	10/-	1/-
ALLACITE OF ORANGEBLOSSOM }	a dressing cream . . .	22/6	2/6
BORANIUM . . .	a hair tonic . . .	22/6	2/6
CLEMINITE . . .	for a face lotion . . .	22/6	2/6
COLLIANDUM . . .	for a face tint . . .	22/6	2/6
ONALITE . . .	a foot powder . . .	22/6	2/6
PERGOL. . . .	a deodorant . . .	22/6	2/6
STALLAX . . .	for a shampoo . . .	22/6	2/6
JETTALINE . . .	for clearing the skin . . .	31/6	3/6
PHEMINOL. . . .	a depilatory . . .	36/-	4/-
MENNALINE. . . .	for the eyelashes . . .	36/-	4/-
MERCOLIZED WAX	a face cream . . .	31/6	3/6
STYMOL	{ for oily complexions and blackheads }	36/-	4/-
BARSYDE	dandruff eradicator . . .	22/6	2/6
TAMMALITE	for grey and faded hair . . .	22/6	2/6
LIQUID PERGOL. . .	{ to check excessive perspiration locally }	31/6	3/6
BICROLIUM	for whitening the hands . . .	22/6	2/6

STOCKED BY ALL WHOLESALE HOUSES.

COLONIAL DEPOTS AND AGENCIES.

AUSTRALIA.
ALL WHOLESALE
and
DEARBORN, Ltd.
Grace House,
Clarence St.,
Sydney.

SOUTH AFRICA.
LENNON & CO., Ltd. (Cape Town, Johannesburg,
Port Elizabeth, Durban, etc.)
SIEVE BROS. & KARNOVSKY ((Johannesburg).
INDIA.
KEMP & CO., Ltd. (Bombay).
SMITH, STANISTREET & CO. (Calcutta).

NEW ZEALAND.
SHARLAND & CO., Ltd.
(Auckland and Wellington).
SOUTH AMERICA.
DEARBORN, LTD.
Calla Salta, 264
Buenos Aires.



The best of all Hot Water Bottles

For many years we have made a speciality of Hot Water Bottles, and have acquired a high reputation for this class of goods. Made in the usual standard sizes. We invite your inquiries. Customer's name lettered free on all bottles when not less than three dozen assorted sizes are ordered at the same time.

SILVERTOWN

The India Rubber, Gutta Percha & Telegraph Works Co., Ltd.
(The Silvertown Company)

HEAD OFFICE:

106 Cannon St., London, E.C. 4.

WORKS:

Silvertown, London, E. 16.

BRANCHES:

HOME—Belfast, Birmingham, Bradford, Bristol, Cardiff, Dublin, Glasgow, Liverpool, London, Manchester, Newcastle-on-Tyne, Portsmouth, Sheffield.

ABROAD—Adelaide, Buenos Aires, Calcutta, Christchurch (N.Z.), Durban, Johannesburg, Melbourne, Sydney.



IN CONSTANT DEMAND. On the P.A.T.A.

"SoTol"

**Antiseptic Throat
and Mouth Wash.**

Sold in Tablets to the Public
at 40 for 1/6; 100 for 2/9.

To the Trade,
Less than 1 gross, 14/- doz.;
1 gross, 160/-.

**"SOTOL"
TOOTH
POWDER**

(NON-CARBOLIC)

1/- per box.

To the trade 8/- per dozen.
7/9 per dozen in 6 dozen lots.
7/6 per dozen in gross lots.



"KLENZIT"

**For Cleaning
Artificial Teeth
Plates.**

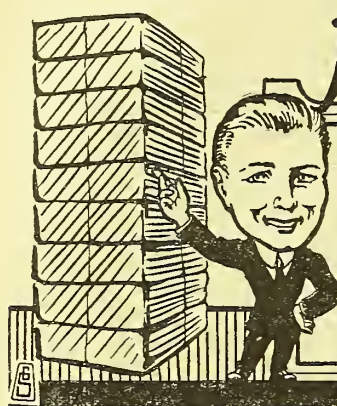
Keeps the mouth healthy and
prevents sore gums.

Sold to the Public,
per jar, 1/3.

To the Trade, 10/6 per doz.

**The Western Dental
Manufacturing Co.**
(1914), Ltd.

74 WIGMORE STREET,
LONDON, W.1.



for Immediate Sale-To Clear.

Brown Paper

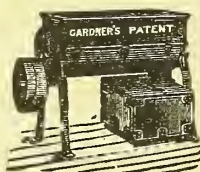
A Limited Quantity.

Samples, Prices.

CHAS. BRODIE & CO. Ltd.
46-47 GREAT SUTTON STREET, E.C. 1.

GARDNER'S PATENT

"RAPID" SIFTERS & MIXERS



OVER 5,300 working in almost every Trade where POWDERS are Sifted and Mixed and Lumps Reduced, all being done at one operation and without loss by dust.

FOR HAND OR POWER.

CATALOGUES FREE.

WM. GARDNER & SONS, Engineers, GLOUCESTER

A good "sundry" for Chemists. In regular demand. Increased production facilities now permit the prompt execution of all normal orders and the opening of new accounts.

ANDREWS' Liver Salt

USUAL SIZE **8 1/2** FAMILY SIZE **1/4**

If you do not already stock Andrews' we would like to send you our Trading terms and a tin for your personal Trial.

Please state requirements, or send for Sample Tin.

Scott & Turner Ltd., Manufacturers,
(Dept. C.D.) Newcastle-upon-Tyne.

London Depot: J. C. Gambles & Co., 46 Farringdon Street, E.C. 4.



The Drummer Sounds the Roll-call to Success

"We have a mania for dyeing things at our house. It is so simple with Drummers, and doesn't it just *Save!*"
So Drummers are bought regularly by numberless girls and women: Drummers in all Colours, Drummers destined to mix to all shades.

DRUMMER DYES

*One Dye for all Fabrics—
So Easy to Use.*

Does this dyeing fascination mean brisk trade for you? If not, apply for trade terms and showcards for Drummer Dyes to-day to the Sole Makers—

Wm. Edge & Sons Ltd.
Bolton.

And at 25 Front St. East, Toronto, &
15 Valentine St., New Bedford, Mass.,
U.S.A.



We are now able to supply
our Pre-war qualities of

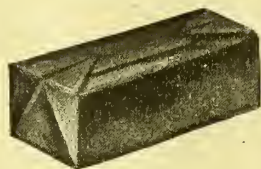
GUMMED PAPERS

for Druggists' Labels.

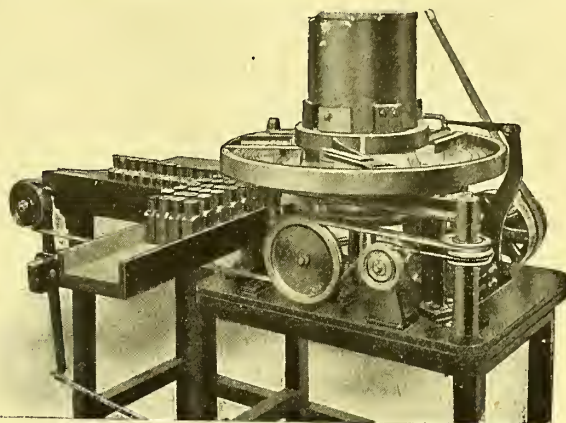
Specify to your printer for
**JONES' PATENT
NON-CURLING
GUMMED PAPER.**

SAMUEL JONES & CO.

Gummed Paper Makers,
Bridewell Place - LONDON, E.C.4.



**MACHINES for
WRAPPING
LABELLING
COUNTING
FILLING**



**THE FORGROVE COUNTING
AND FILLING MACHINE**

Forgrove Machinery Company, Limited

Dewsbury Road, Leeds

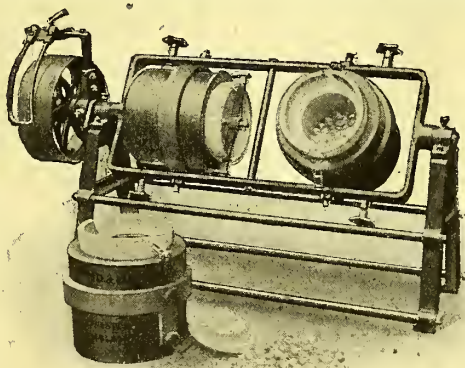
TEL. : 26586

81/83 Knightrider St., London

TEL. : CITY 1464

BALL GRINDING MILLS

IRON CYLINDERS, PORCELAIN OR QUARTZ-LINED.
PEBBLE & TUBE MILLS FOR LARGE QUANTITIES
FLINT PEBBLES, PORCELAIN, BRASS, STEEL OR
HARDWOOD BALLS. ALSO SPARE PORCELAIN
JARS AND CHILLED IRON LINERS SUPPLIED.



See our previous advertisements.
BRITISH MADE THROUGHOUT.
INQUIRIES FOR ALL CLASSES OF MACHINERY FOR
CHEMICAL WORKS HAVE PROMPT ATTENTION.

HIND & LUND, LTD.

ATLAS WORKS, PRESTON.

Telegrams: "Atlas Preston." Telephone: No. 125. (4)

C. G. BROOKS

1 BRITANNIA ST., KING'S CROSS, W.C.1

MANUFACTURERS OF
ALL SIZES OF

**GLASS FUNNELS and
TABLET BOTTLES**



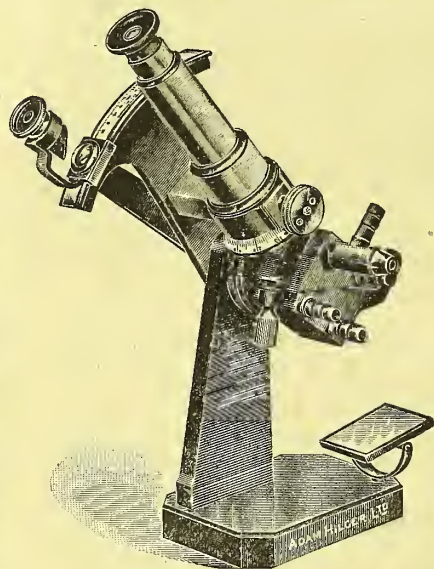
Urethra and Vagina Glass Syringes
Nasal Irrigators **Nipple Shields**
Breast Exhausters **Feeder Joints**
and any other LAMP-BLOWN GLASSWARE

FOR THE WHOLESALE TRADE ONLY

M. J. FECHER, LTD., Ilx Works,
Northwold Road, Stoke Newington, LONDON, N. 16

YOU MUST ADOPT SCIENTIFIC METHODS

or take the consequences in the competition that is coming.

**THE ABBE REFRACTOMETER**

is a valuable aid towards maintaining uniform strength in pharmaceutical products (solutions, syrups, etc.), and much quicker than taking the dried weights or specific gravities.

Delivery in four weeks from receipt of order.

Descriptive Booklet post free on application to

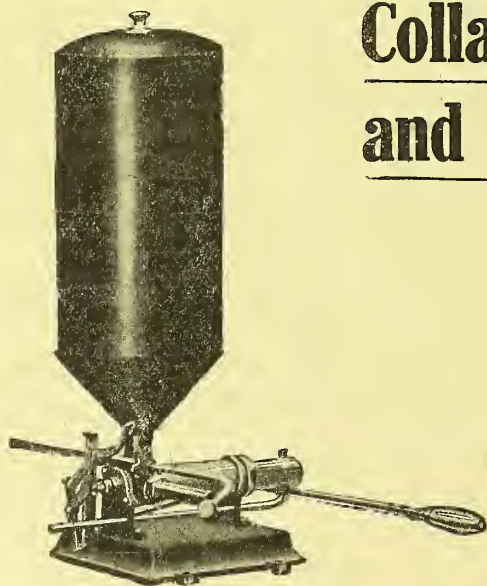
DEPARTMENT H,

ADAM HILGER, LTD.,

75a CAMDEN ROAD, LONDON, N.W. 1.

telephone: NORTH 1677-8.

Telegrams: "SPHERICITY, PHONE, LONDON."

The "CENTRAC"**Collapsible Tube Filling
and Closing Machines**

MADE IN ENGLAND.

STRONG, SIMPLE, RELIABLE,
EASY TO WORK.

Made in capacities of
2, 5, 10 & 20 gallons.

Inquiries Solicited.

MAKERS—

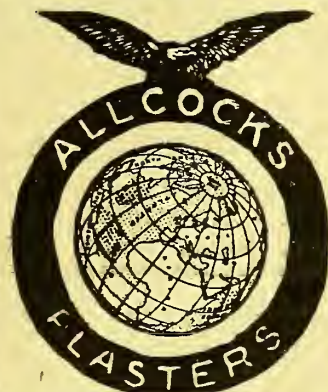
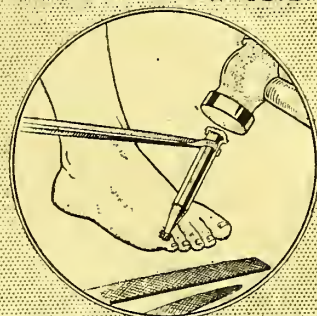
THE BANISTER STREET WORKS,
LTD.

45 HIGH ST., HOMERTON, LONDON, E. 9

ESTABLISHED 1847.

**Allcock's
PLASTERS**

A REMEDY OF 70 YEARS' STANDING.

**Allcock's Plasters
Allcock's Corn and
Bunion Plasters
Brandreth's Pills***The
Three
Reliables.**Prices and Terms
on
application to***ALLCOCK -
MANUFACTURING
COMPANY -****22, Hamilton Sq.,
Birkenhead,
England.***"Sold all round the World."***DON'T USE THESE
TO SHIFT THAT CORN****USE DR WILSON'S
Moovit
CORN
PENCIL
JUST A RUB THAT'S ALL**

Price 1/3 on P.A.T.A. Extensively advertised.

**ATTRACTIVE SHOW BILLS. DISPLAY
BOXES. WINDOW STREAMERS.**

Obtainable through all Wholesalers.

TALBOT WILSON, 20 HIGHGATE ROAD, LONDON, N.W. 5**IMMEDIATE DELIVERY****GATES'
BOTTLE
CAPPING
SKINS****SNOW-WHITE OPAQUE
ROLLED SKINS.**

SOMETHING QUITE NEW. These
Skins are damp and READY FOR USE.
The raw material for Baudruche manufac-
ture being now unobtainable, I have put
this new production on the market in its
place. **ABSOLUTELY AS OPAQUE**
as Split skins and equal in appearance.

*"Mine beat
all others."**Sole Pioneer and Only
English Manufacturer :***LESLIE GATES
HAILSHAM, SUSSEX.***Another New Speciality.—Try my
TRANSPARENT SHEEPBAUDRUCHE
CAPPING SKINS.*

THE CHEAPEST & MOST EFFECTIVE CAPPING EVER PRODUCED.

ALSO, GOLDBEATER'S SKIN FOR MEDICAL PURPOSES.

THE WHOLE
THING IN A
NUTSHELL**SEMREH****BOTTLE CAPS**

Win on their merits.

**AIR-TIGHT,
SELF-FIXING,
SPIRIT-PROOF.**

Put them to the test.

**The VISCOSE
Development Co. Ltd.,
BRIMLEY, KENT.****'Ongard'
Safety Pins****Guarded
Coil****RUST
PROOF.****For Surgical & Nursery Purposes.**

SOLE MANUFACTURERS

**GEORGE GOODMAN LTD.,
BIRMINGHAM.**Stocked by **JAMES L. HATRICK & CO. LTD.,**
70 St. John St., Clerkenwell Rd., LONDON, E.C.1.

FREDK. FINK & CO.,

10 & 11 MINCING LANE, LONDON, E.C.
SPECIALITIES.—Gums Arabic and
Tragacanth as imported or finely powdered.

PRECIPITATED CHALK.

Lightest and Whitest, also Purest Dense.

APPLY TO

AUG. LEVERMORE & CO. Ltd., 5-10 Ct. St. Helens,
LONDON, E.C.
Telegrams: "LEVERMORE LONDON." Telephone: 4613 Central.

**SHADEINE**
FOR COLOURING GREY HAIR

This popular article is largely advertised
and stocked by all Wholesale Houses

Tryal size 8d., per post 10d. Medium, 1/4, per
post 1/3; Large, 3/6, per post 4/-
8d. size 6/- doz.; 1/4 size 12/- doz. 3/6 size, 33/- doz.

THE SHADEINE CO., 58 WESTBOURNE GROVE, LONDON, W.

**CACHETS "FINOT"**

(White or Coloured),

With inscriptions in any desired

tint; also Plain or Embossed.

"Beautifully made and the inscriptions give them

a distinction all their own."—C. & D.

"Perfection of Cachets."—Lancet.

These Cachets are especially adapted for Headache, Neuralgia and other powders.

COOPER, SON & CO., Ltd., 80 Gloucester Road, SOUTH KENSINGTON.

In 17 Sizes, to fit the various types of Cachet Machines.

John E. Raworth & Moss,

Chartered Patent Agents.

The Old Mansion House,
73 Cheapside, E.C. 2.

AND

Queen Anne's Chambers,
Westminster, S.W. 1.

TINORI PAINLESS
CORN CURE

is a tried and guaranteed remedy.

P.A.T.A. 1/3. FROM ALL WHOLESALERS.

E. MAC SWEENEY, Manufg. Chemist, CORK.

Precipitated Chalk, Hyposulphite of Soda,
Sulphite of Soda, Glauber Salts, Epsom Salts,
Salts of Tartar, Alum, Sulphite of Lime,
Sulphide of Sodium.

E. BRAMWELL & SON, Ltd., ST. HELENS, Lancs.

ROYAL COURT HAIR DYES

Notwithstanding the shortage of supplies, we are
still in a position to supply all orders and guarantee
our preparation to be exactly the same as pre-war
recipes. Own-named brands a speciality. Largest
profit, and most reliable Hair Dye yet produced.

J. KNOX WALKER & Co. Ltd., 422 Kingsland Rd., London, E. 8.

**"WAVCURL" promotes Curly Hair.**

An absolutely unique scientific toilet preparation. Harmless
and effective. Sells at sight. Widely advertised and shows
a splendid margin of profit on minimum protected price.
Every Chemist who appreciates the value of quick returns
and satisfied customers should stock "WAVCURL." Descriptive circular will be sent to all chemists on applying for
it. Special to Wholesalers.

Packets, 1/6, at 9/- per doz. Bots., 2/9, at 21/- per doz.

THE NEW WAVCURL CO., Fulwood House, High Holborn, London, W.C. 1

CHELTINE FOODS CO., CHELTENHAM.

DIABETES

FLOUR, BREAD, BISCUITS, FOOD, RUSKS, COCOA, Etc.
Also Foods for Anæmic, Dyspeptic, Invalid and Aged People
and Infants. Highly recommended by Medical Profession.

INFANTS' FOODS packed under Chemists' "OWN NAMES."

Terms and all particulars on request.

All Chemists and Stores adjacent to Theatres and Music Halls should
stock the famous

LEROZA Theatrical Cold Cream and
Grease Paint Remover.

Used and recommended by all the leading Artists, including The Two Bobs,
Ernie Mayne, Miss Victoria Monks, Shaun Glenville, and scores of others
too numerous to mention. Sells at 1/6 per tin box (about 1 lb. costs 12/3
per dozen carriage paid. Cash with order.

From the Sole Inventor and Manufacturer, ARCHIBALD MOLE-FLOYD,
THE LEROZA THEATRICAL STORES, 75 Cambridge Street, Glasgow.

4 **Jay Mack's Ledger** **11/3**
YEARS **ONE SIZE ONLY.**

On appro. Send cheque. 1/- Post Booking Free, if returned.
MACK-IVOR, HIGHTOWN P.O., CREWE.

YOU CANT GO WRONG
Quina Quenna
BETTER THAN A SHAMPOO
YOUR
P.A.T.A. PROFIT

in showing this heavily advertised
Hair Grower and "waver" applied as
a Shampoo It's so heavily advertised
all the time and sales are certain and
sure if you only show it.

4 Dozen P.A.T.A. 6/-
6 Dozen & 1 Dozen Bonus.
Carriage Paid.
CHRISTY'S
Old Swan Lane, E.C. 4.

BOTTLES

CANNONS,
BRILLS, LIMES,
PERFUMES,
BAY RUMS,
KALIS, CARBOYS

WHOLESALE ONLY—PROMPT DELIVERY.

E. DUNCAN DORING, 7 King St., Cheapside, E.C. 2

Telegrams: "Doringlase, Phone, London."

Telephone: City 4000.

The EVAN WILLIAMS

Always in Great Demand.
Price List on Application.

The Evan-Williams Co., Ltd., 18, Ogle Street, W.1.

Original Henna SHAMPOO.

ART OF DISPENSING. (9th Ed.) 8/-, by post 8/6.

VETERINARY COUNTER PRACTICE. 6/-, by post 6/6.

CHEMIST'S DICTIONARY OF MEDICAL TERMS. 3/6, by post 3/10

THE CHEMIST AND DRUGGIST, 42 CANNON ST., E.C. 4.

WESTMINSTER COLLEGE

QUALIFYING (MINOR) EXAMINATION.

A short revision course will commence on August 20, for the October Examination. Fee, 5 guineas.

The next full-time course will commence on October 1, in preparation for the April Examination.

Fee 20 guineas.

For Prospectus and Pass Lists apply THE PRINCIPALS, 190 Clapham Road, LONDON, S.W. 9.

THE BATH AND WEST OF ENGLAND College of Pharmacy.

Principal—DAVID J. WILLIAMS, Ph.C., F.C.S. (Silver Medallist).

Day Classes.

Special Classes for Ladies.

SUCCESSES: 100% on Fourteen occasions during 11 years. At these Exams. alone 70 entries and 70 passes from this School. **CORRESPONDENCE COURSES** in Minor, Major, Apoth. Hall, Preliminary and Scholarships.

£181 already won at Scholarships by Students of this School. **OSTLER SCHOL., 1918**, winner, Mr. W. D. Richards, Merthyr.

For Illustrated Prospectus and Report apply—

Secretary, BATH COLLEGE OF PHARMACY, Cleveland Place East, BATH.

TO PHARMACEUTICAL STUDENTS.

PREPARATION BY CORRESPONDENCE FOR

Matriculation, College of Preceptors, and other Preliminary Examinations.

Also for B.A. and B.Sc. Single subjects may be taken.

For Prospectus, Testimonials, &c., address:

Mr. J. CHARLESTON, B.A. (Hons. Oxon. and Lond.),

Burlington Correspondence College, 14 ELSHAM RD., KENSINGTON, W.14

ALL CHEMISTS SHOULD STOCK

ABDINE

THE GOLD MEDAL FRUIT DRINK.

Quick Seller. Big Profits. Over 40 Years' Reputation.

"ABDINE" is the most popular Health Drink. Superior to all Mineral Waters. Sold in Packets, 1½d. each; Boxes of 13 packets, 1/6.

Wholesale Prices on application. Sample Box 1/6.

D. M'GLASHAN, M.P.S., Abdine Works, Westfield Road, EDINBURGH.

STICKY FLYCATCHERS

Bands and Tapes.

"FLYSAC."

"VIPER."

"VAMPIRE."

"BIG BAT" FLYPAPERS.

"CHESHIRE" and "DAK" Birdlimes.

For Rats, Mice, etc.

"ORBITE" Banding Material.

For Fruit Trees.

SOLE MAKERS—

Kay Brothers Limited. Stockport.

Dental Chemists

DO YOU rely upon personal recommendation to increase your practice? If you do, you must have the best mechanical work possible.

All my customers are permanent, because they know by experience that they are unable to obtain the same exquisite work elsewhere. Efficiency spells Progress. I am The Specialist organised and equipped for the purpose, my charges are moderate and deliveries good.

Price list upon application.

KERMACK MCBAIN, The Specialist in Mechanical Dentistry,
46 BOARD LANE, & BASINGHALL ST., LEEDS

PURE CHEMICALS for PHOTOGRAPHY

AMIDOL . . .	1-lb. in 19/-	7 @ 18/-
HYDROKINONE .	lb. pcls. 14/-	13/9
PARAMIDOPHENOL	1-lb. tin 17/6	17/3
PYROGALLIC . Cryst.	" 15/-	14/6
Resub.	" 16/6	16/-

Acid Citric, Alum, Ammon. Bromide, Ammon. Sulphocyanide, Ferr. Ammon. Cit., Pot. Bromide, Pot. Ferricyanide, Pot. Citrate, Pot. Metabisulph., Pot. Oxalate, Soda Bromide, Soda Carb., Soda Hypo., Soda Sulphide, Soda Sulphite, etc. etc.

At low prices. Packed in bulk or bottles

CHAS. ZIMMERMANN & CO.
(Photographic) LTD.

13 BARTLETT'S BUILDINGS, LONDON, E.C. 4

Monthly List mailed on request.

ESTABLISHED 1836.
THE ORIGINAL
RICHMOND'S

LANCASHIRE
Condition & Worm Powder for Horses

2/- retail; 18/- doz. wholesale
3/6 " 31/6 " "
5/- " 45/- " "

Condition & Distemper Powder for Dogs

7½d. retail; 5/- doz. wholesale
1/3 " 10/- " "
2/6 " 20/- " "

Cleansing & Fëllon Drink for Cattle

1/6 retail; 13/- doz. wholesale

Stocked by all Wholesale Chemists, or direct from

JAS. H. RICHMOND

Sole Proprietor: **Veterinary Chemist,**
E. STALEY, M.P.S. **George St., PATRICROFT**
Late of Chorley, Lancs.

FLY GUM
For Fly Papers and Reels.

*Guaranteed to retain its stickiness
TWO OR MORE SEASONS.*

Prepared by

E. H. WRIGGLESWORTH,
Manufacturing Chemist - **HULL.**

You can see

EASILY the advantage of making your advertising original and distinctive by using our copyright Blocks. We keep a register of all Blocks sold, and do not send the same Block to your competitors in your town or district. Chemists and Opticians will make their advertising more profitable by using our Business Bringing Blocks.

Ask us to send you our Book of Designs for 3 days. We pay postage both ways.

CHEMISTS' DESIGN SERVICE,
12 Humberstone Gate, **LEICESTER.**



D. 232 .. 3/2.

KUR-MANGE

THE CERTAIN REMEDY
FOR
PARASITIC MANGE
IN
HORSES, CATTLE, DOGS, &c.

BOXES OF 1 doz. 1/6 packets, 12/- per box. On P.A.T.A. list.

McDOUGALL BROS., Ltd., 66/68 PORT STREET, MANCHESTER.

**SAFETY RAZOR
SHARPENING**

BY LATEST ELECTRICAL MACHINERY.

We guarantee a perfect edge on ANY blade, ANY make.

Trade terms: 6d. PER DOZEN net.

Blades returned same day as received.

SEND US YOUR WORK.

THE LIVER RAZOR CO., 77a DALE STREET, LIVERPOOL.

FERTILISERS

Insecticides and
all Horticultural
Specialities and
Sundries.

Catalogue on application

HUNTER & GOW, LTD., 200 Thomas Street, LIVERPOOL,
Manufacturers and Wholesale Suppliers of everything for
the Garden, Allotment and Greenhouse, such as "Abol,"
"Vaporite," Twines, Sticks, Labels, Clays, Nicotinic, etc.

BLATTIS

Absolutely exterminates Cockroaches without any trouble.

It is a scientific remedy invented and guaranteed by
E. HOWARTH, F.Z.S.

Retail Prices, in tins, 14/-, 27/-, and 54/- per dozen.

Liberal Trade Discounts.

HOWARTH, 471 Creuksmoor SHEFFIELD.

**We Develop Films and post back Next Day
& Print " " " in Two Days**

Plates, Flat Roll Films, developed, printed, enlarged,
retouched, etc. We lay our works out to supply Phar-
macists with good work at reasonable prices, with quick
dispatch. Price List on application. Monthly accounts
without fuss.

ARTHUR J. C. LEWIS, The Chemists' Photographic Printers,
NEW BARNET

PAPER

A few reams Strong Brown Tissue.
18x28 @ 12/6. 5 reams carr. paid.
Brown from 45/- per ream. Swedish
Kraft 80/- cwt. Pure Greaseproof,
20 x 30, 24 lbs. @ 40/- per ream.

D. W. BULL, 4 CHURCHILL ROAD, HOMERTON, E. 9.

THE 14 POINTS

HAWLEY'S I.K.

Always ready to
Work

Loyally, and to

Effectually do

Yeoman

Service as the

INSECT KILLER

Kills

Instantly

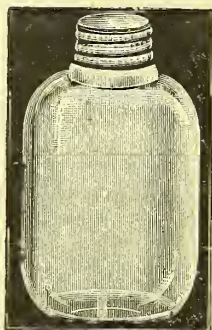
Large Beetles

Lively Fleas

Evasive Cockroaches, and

RESTORES PEACE & COMFORT

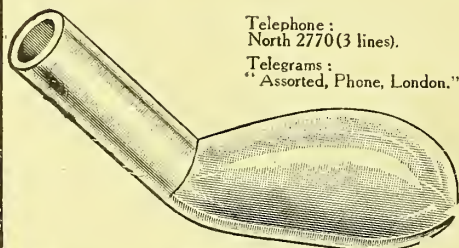
BUY YOUR GLASS FROM STOCK



We cannot stock everything, but we can safely say that we have stock of the most saleable lines, including vials.



$\frac{1}{2}$ oz., 1 oz. & 2 oz.



Telephone :
North 2770 (3 lines).
Telegrams :
"Assorted, Phone, London."

JULES LANG & SON,
CHARLTON WORKS, CHARLTON PLACE,
(Opposite Agricultural Hall) ISLINGTON, LONDON, N.

Warehouses also at Barnsbury and off City Road.

GLASS BOTTLES

POMADE, FACE CREAM, and
OINTMENT JARS FOR
SCREW-CAPS.

HONEY JARS, PANELLED
VARNISH BOTTLES, LIMES,
VIALS, KALIS, etc.

WRITE FOR PRICES, GIVING PARTI-
CULARS OF QUANTITIES REQUIRED.

TOM LAYCOCK & CO.

(Tom Laycock, Proprietor),

Isles Glass Works,

HOLBECK LANE - LEEDS.

Pyramid Corks



Named after the ancient pyramids
because of their dependable qualities,
and if you look for the trade mark and see always that
you get "Pyramid" Corks, your troubles are abolished. Get
some to-day.

N. W. Mitchell & Sons, Ltd.
The Cork Firm, Limehouse, London, E. 14

PLATE
&
SHEET

GLASS OF
EVERY
Description.

*Plate Glass with Polished
Edges for Surgical Tables, &c.*

GLASS SHELVES, MIRRORS, &c.

Bevelling, Polishing, Silvering, Glazing, &c. &c.

JOHN M. NEWTON & SONS, LTD.

20, 21, 22 & 23 Charles St., Hatton Garden, London, E. C. 1

RECESS SHOP ROUNDS



ROUNDS,
RIBBED
POISONS

OILS,
SYRUPS
& ETHERS

BEATSON, CLARK & CO., LTD.
Medical Glass Manufacturers, **ROTHERHAM**

Telephone: No. 88 ROTHERHAM.

Telegrams: "BEATSON, ROTHERHAM."

MONSANTO

CHEMICAL WORKS,
ST. LOUIS, MO.,
U. S. A.

Salol

Aspirin

Phenolphthalein

Salicylic Acid

Chloral Hydrate

Salicylate of Soda

SACCHARIN

Vanillin

Acetanilid

Phenacetin

Coumarin

Glycerophosphates of

Calcium (pure),
Sodium (pure crystals and powdered),
Sodium (Solution 75 %), Iron,
Potassium 75 %,
Manganese, Magnesium, &c.

Chloramine T

Dichloramine T

Chlorcosane

Sole Joint Agents

MONSANTO

British Empire and Europe

F.W.BERK & CO., Ltd.

1 Fenchurch Avenue, E.C. 3

and

GILL & DUFFUS,

40 Eastcheap, E.C.3

THIS SUPPLEMENT
IS INSERTED IN
EVERY COPY OF
THE CHEMIST AND
DRUGGIST."



OFFICES:
42 CANNON STREET
LONDON, E.C.4

JUNE 21, 1919.

Advertisements for this Supplement must be received not later than First Post on Thursday Morning.

The Chemist and Druggist Supplement Advertisement Tariff.

Businesses Wanted and for Disposal, Premises to Let, Goods and Shopfittings for Sale, and Agencies: 4/6 for 50 words, every additional 10 words or less, 6d.

SITUATIONS OPEN: 4/6 for 50 words; every additional 10 words or less, 6d.

SITUATIONS WANTED: 1/- for 12 words; every additional 10 words or less, 6d.

Legal Notices, Tenders, Auctions, and all specially spaced announcements, 9d per line (average line=10 words).

Miscellaneous (Wholesalers') Section, for odd and second-hand lots; 7/- for 60 words; 6d. for every additional 10 words or less.

EXCHANGE COLUMN (for Retailers, etc.). **One penny per word;** minimum one shilling.

BOX NUMBER.

In each case replies may be addressed to a registered number or nom-de-plume, c/o this Office, at a charge of 6d extra for each advertisement.

PAYMENT.

All advertisements are prepaid, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

THE CHEMIST AND DRUGGIST, 42 Cannon Street, LONDON, E.C. 4.

Telephone: Central 3617 (3 lines).

Telegrams: "Chemicus. Cannon, London" (2 words).

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283

May be consulted at their Offices on **SALES, PURCHASE, and VALUATION.**

1.—LONDON, W.—Old-established Business; Retail and Dispensing; returns £1,500 at good prices; roomy shop, with residence; held on lease; price £850.

2.—CITY (Within Easy Distance of).—Very old-established Business, chiefly ready money; returns between £1,000 and £1,200; gross profit 50 per cent.; comfortable residence; rent £50 yearly; price about £800.

3.—KENT (Suburban).—Dispensing and Retail Business; corner position in main thoroughfare; returns exceed £3,000; net profit between £850 and £900; large shop and comfortable residence; price about £1,900.

4.—LONDON (Northern Suburb).—Good middle-class Business, chiefly ready money; returns upwards of £2,000 at good prices; well-appointed shop and comfortable residence; vendor's own property; price about £1,000.

5.—BAKER STREET STATION (10 Minutes from).—Dispensing and Retail Business; vendor retiring; returns between £2,000 and £3,000; net profit over £700; well-appointed shop and large residence; new lease; price £1,500, or valuation terms.

6.—HORNSEY.—Brisk Retail Business; returns, present rate, over £2,000 at good prices; well-appointed shop and comfortable residence; vendor's own property; price £1,400.

7.—HYDE PARK.—For immediate disposal, high-class Retail and Dispensing Business; returns upwards of £1,200; gross profit between £650 and £700; the business is known to us, and we can recommend it; valuation terms.

8.—SURREY.—Old-established Business, chiefly ready money; returns £1,640; comfortable residence; nice garden; price £775.

9.—POPULAR HEALTH RESORT.—Good-class Retail and Dispensing Business; returns exceed £3,000; convenient residence; held on lease; further details on application; banker's reference will facilitate business.

10.—MIDLANDS (Large Manufacturing Town).—Old-established Business; Retail and Wholesale in packed goods; gross receipts exceed £8,000, and during the past three years the average gross profit amounted to £2,031; the premises are held on long lease at a rental of £60; price about £3,000; a banker's reference will facilitate business.

11.—STAFFS.—Ready-money Retail, with N.H.I. Dispensing; established many years; returns last year £2,456; full investigation invited; rent £50; offer wanted.

12.—HOME COUNTY.—Unopposed Business, comprising good-class Family trade, with general country Retail; returns average £1,200 per annum; net profit approximately £300; comfortable residence; rent £40; held on lease; price £600.

13.—LONDON, W.—General Retail, with some Dispensing and considerable Photographic; no N.H.I.; returns show a steady increase, last year's turnover being between £1,350 and £1,400; gross profit 42½ per cent.; lock-up shop; no immediate opposition; good scope for increase; also Dentistry or Optics; terms £100 and valuation of stock and fixtures.

14.—KENT (Suburban).—Middle-class Retail and Dispensing Business; no N.H.I.; returns £900; net profit £249; comfortable residence; moderate rental; price £450.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasise the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

PREMISES WANTED.

REQUIRED (shortly) a small Factory in or near South London, suitable for Wholesale Manufacturing Druggists. Full particulars to 212/7, Office of this Paper.

REWARD GIVEN.—Premises wanted (preferably fitted) in working-class neighbourhood, suitable for good "one-man" Business; London suburbs or Brighton; or a neglected Business with possibilities considered; bonus given if information is acted upon. Address 214/15, Office of this Paper.

SMALL Factory or Workshop, suitable for manufacturing Light Chemicals, required in or near London; an outbuilding or a large unoccupied room in a factory would suit. Apply 206/1, Office of this Paper.

PARTNERSHIPS.

AN excellent opportunity occurs to take over a well-known London Pharmacy upon advantageous terms; small balance down, and remainder by instalments would be considered to the right man; bona-fide references essential; owner taking over Wholesale appointment; returns over £2,000; Light, high-class trade. Reply, in confidence, 212/100, Office of this Paper.

IN an old-established house in the North of England an opportunity occurs for a gentleman with some means and a good knowledge of good-class Retail and Wholesale Pharmacy to fill the position of a retiring partner; communications will be treated in strict confidence. "Confidential" (210/9), Office of this Paper. Will advertiser please send his name and address to this Office.

LADY, with full knowledge of Bookselling, Stationery, Library, etc., capital £500 to £400, wishes to meet with lady Dispenser with capital, to buy combined business; near London or South of England preferred. Apply 201/10, Office of this Paper.

BRETT & CO.

Transfer Agents & Valuers,
73 LAUREL ROAD, LEICESTER.

£3,200 RETURNS. NORTH-WEST.—General Light Retail; in same family over 40 years; good house; lease granted; at valuation, about £1,200.

£500 RETURNS. NORTH YORKS.—Purely Drug Retail; no Patents or Side Lines; price £450.

£1,000 RETURNS. SURREY.—Light Cash Retail; good opening for Photo and Optical; net profit £300; price £375.

£1,500 RETURNS.—ESSEX.—Good-class Light Retail for Sale, solely through bereavement; good residence; price £500.

BERDOE & FISH

VALUERS & TRANSFER AGENTS

25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

CHARGE TO PURCHASERS

1.—NORFOLK.—Old-established Family Retail and Agricultural Business; in good market town; returns £2,550; large house and premises; own property; same hands many years, retiring; price £300 and valuation.

2.—SOUTH COAST.—Good middle-class Retail; few patents; returns £1,850 under management; main road position; rent covered by let off; long valuable lease; corner Pharmacy; well fitted and stocked; price £1,200.

3.—MIDLANDS.—Good-class Retail and Dispensing in large important town; central position; returns over £3,000; can easily be made do £5,000. Handsome Pharmacy; fully stocked; price £1,550; part can remain.

4.—SURREY.—Unopposed Light Retail, pleasantly situated 20 miles out; returns about £1,650; good house and garden; well stocked; books kept; price £775, or valuation terms arranged.

5.—BIRMINGHAM.—Working-class Cash Retail; returns average £40 weekly; good profits; plenty of scope; low rent; price for quick sale only £350 cash.

6.—LONDON, S.E.—Sound middle-class Cash Retail, returning £2,300; net profit about £700; fine corner shop; main road position; well fitted and fully stocked; price £1,100.

7.—MIDDLESEX (Northern Suburb).—Middle-class Cash Retail, with Gilbey's agency; returns £1,300; scope for increase; low rent; house attached; good stock; owner retiring; price £500; personally inspected and recommended.

8.—LONDON, N.—Light Family Retail and Dispensing, with good Optical connection; returns £1,400, increasing; net profit about £400; well fitted and stocked; small house; price £750, or near offer, recommended.

BUSINESSES WANTED.

We are in immediate want of sound concerns, returning up to £3,000, in town or country, especially South Coast, Midlands, and North; cash buyers waiting. Intending vendors are cordially invited to correspond. Terms sent on application. Established 1870.

SALES BY AUCTION.

PREWETT PARK CANADIAN HOSPITAL, BASINGSTOKE, HANTS.

1½ Mile from Basingstoke L. & S.W.R. and G.W.R. Stations. Conveyance will meet the principal trains for conveyance to place of Sale.

THE following EQUIPMENT, the property of the University of Toronto, will be sold immediately following the Canadian Government Sale, on SATURDAY, 28th, by

MESSRS. GEERING & COLYER:

Surgical Instruments and Operating-Room Equipment of a large and up-to-date Hospital, including

X-Ray Apparatus. Nitrous Oxide and Oxygen Apparatus, Anaesthetic Tables, Gatz Frames, Barker's Self-Retaining Retractor, Tracheotomy Sets, O'Dwyer's Intubation Sets, Sigmoidoscope, Abbe's Electric Bone Set, Potain's Aspirators, Irrigating Stands, Wheeled Stretchers, Absorbent Cotton, Adhesive Plaster, Ether, Chloroform, Oil Silk, Catgut Ligatures, etc., etc.

Catalogues and further details of the Canadian Ordnance Officer, Basingstoke, and of the Auctioneers, Ashford, Kent, and Rye, Sussex.

THOS. TOMLINSON & SON

CHEMISTS VALUERS TRANSFER AGENTS,
AND EXPERT STOCKTAKERS,
45a MARKET STREET, MANCHESTER.
ESTABLISHED OVER HALF A CENTURY.
Telegraphic Address: "Tomtom."

R. PENROSE KERNICK, A.C.I.S.

Surgeon's & Chemist's Valuer,
TRANSFER AGENCY,

QUEEN STREET - CARDIFF.

SPECIAL TERMS FOR STOCKTAKING.
ESTABLISHED 1885.

LEGAL.

J. P. SWAFFIN, Deceased, Beach House Pharmacy, Fore Street, Brixham, Devon.

WILL anyone having a claim against the above estate kindly forward particulars of same to Parkin S. Booth, Accountant to The Association of Manufacturing Chemists, Ltd., 32 Kimberley House, Holborn Viaduct, London, E.C., if they have not already done so.

AGENCIES.

4s. 6d. for 50 words or less; 6d. for every additional 10 words or less prepaid.

IRELAND.—Established firm of Wholesale Druggists, with extensive warehouses, desires Sole Agencies for reputable and well-advertised Specialities, Patent Medicines, Foods, Synthetics, Dressings, Toilet Articles, or other Drug-Store Lines; would entertain acting as Depot for unstamped Medicines or other goods; modern business methods; ground thoroughly covered; under personal supervision; interview can be arranged. Write to 213/2, Office of this Paper.

PORTUGAL.—Well-established firm at Lisbon with very good connection among dealers in Chemicals and Drug Products desires to Represent first-class houses manufacturing Ink Powders, Chemical Colours, and Chemical Products generally, for all industries; successful results guaranteed; good references. Address 17/15, Office of this Paper.

ADVERTISER, having big connection with leading merchants throughout Newfoundland, is open for another line; first-class references

BUSINESSES FOR DISPOSAL

4s. 6d. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

ARUNDEL (Three miles from sea, in one of the most picturesque spots of England).—Old-established and well-connected Retail and Dispensing Business for Sale; returns 1918 £1,850, and increasing rapidly; good profits and well stocked; references will facilitate business. Apply 213/25, Office of this Paper.

CORNWALL.—Unique and best position in town; returning £1,750, under management; net profits £600; lease 20 years; price for quick sale £1,000. For full particulars apply "Beta," c/o Southall Bros. & Barclay, Ltd., Chemists' Valuers, Birmingham.

GOSPORT.—Old-established Family and Retail Prescribing Business for Disposal; in same hands over 50 years; death cause of sale; N.H.I.; splendid Photo trade can be done; returns average past three years £1,190; leasehold premises; profitable and easily worked business. Apply B. French & Son, 95 North Street, Gosport.

LONDON, N.—Sound Cash Business in busy neighbourhood; good position; turnover £2,000; net profit £600; good stock; rent £60; new lease; books kept; investigation invited (in confidence); in same hands 16 years; owner retiring; price £900. Apply 211/12, Office of this Paper.

THAMES VALLEY (13 miles out).—Drug Stores, medium-class Business, situated on main road; fully stocked; no opposition; must sell owing to ill-health; good house and garden; last year £1,540; net profit £465; suit qualified or unqualified; unique opportunity; price £950 or offer. Apply 210/39, Office of this Paper.

SOUTH COAST, sea front, Cash Retail and Dispensing; returns £2,000; good proprietaries. Apply 211/34, Office of this Paper.

SOUTH-WESTERN COUNTY.—Light Retail Business, with Photographic and Optical, in small, good market town; easily worked; short hours; on main line; returns nearly £2,000; low rent; on lease; very prominent position; double-fronted shop, side entrance; convenient living accommodation; full investigation and details on giving references. "S. W." (212/38), Office of this Paper.

SUSSEX.—Good-class, thoroughly genuine, old-established, modern General, Retail, Photographic, and Agricultural; profits above the average; no cutting; nice shop; well stocked; good house accommodation; scope for Optics or Dentistry; price £800. Apply 211/27, Office of this Paper.

WEST RIDING.—Populous working-class district; splendid opening for N.H.I.; present owner unqualified; present returns £600 per annum; rent £30; stock and fixtures at valuation only. For further particulars apply "Unqualified," c/o Southall Bros. & Barclay, Ltd., Transfer and Valuers, Birmingham.

YORKSHIRE.—Pleasantly situated Business, doing over £2,000 per annum; net profits £565; annual rent £24 14s.; on lease; price, stock and fixtures at valuation; goodwill £100. For further particulars apply "Alpha," c/o Southall Bros. & Barclay, Ltd., Chemists' Valuers, Birmingham.

YORKSHIRE (West Riding).—Mining district; only 2 in town; no N.H.I.; been under female management over two years; splendid opportunity. Apply 206/30, Office of this Paper.

GENUINE Business near Swansea; increasing yearly; scope for Optics and Photography; no opposition; low rent; returns over £1,500; net profit very high; easy business to work; further details on application. Apply "Welshman" (210/7), Office of this Paper.

OLD-ESTABLISHED Dispensing, Prescribing, Surgical Truss, and Shipping Business; close to Central Railway Station. Apply to the Proprietor's private address, 6 South Hill Crescent, Sunderland.

SEASIDE Business; Welsh Coast; immediate possession; splendid position; principal street; all fixtures, fittings, etc., first-class condition; reasonable rent; turnover nearly £4,000 per annum; good profits. For particulars apply "Opportunity," Evans, Sons, Lescher & Webb, Ltd., Liverpool.

SMALL Glassworks for Sale, in London District; suitable for General Medical and Bottle trade. Write "L." (187/35), Office of this Paper.

FOR SALE.

4s. 6d. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

EXT. CINCHONA. LIQ. B.P., 5 lb. for 37s. 6d., 1 lb. for 8s.; Phenazonum B.P., 4 oz. for 14s.; Codeina Phosph. B.P., 1 oz. for 27s.; Amidopyrin, 2 oz. for 9s.; Saffrol, Artificial Oil of Sassafras, 5 lb. for 20s.; Ext. Cascara Liq. B.P., 5 lb. for 15s.; carriage paid; cash with order. John Noble, Pharmacist, 17 Owens Row, London, E.C. 1.

COMPLETE Chemist and Druggist's working stock, utensils, and trade fixtures for Sale; no reasonable offer refused. For full particulars apply to Samuel Arthur, Chemist, Redruth, Cornwall.

FOR Sale, First-Aid Cabinets; Southall; new; half-price to clear; 7 x No. 2, 17s. 6d. each; 3 x No. 1, 9s. each; complete; conforms to Home Office Order for Factories. Apply 206/29, Office of this Paper.

FOR Sale, 15 Chemists' and Druggists' Carboys, 10 largest size (3 to 4 gallons), 5 smaller (1½ to 2 gallons); no reasonable offer refused. Apply Rowley & Johnson, 43 Prospect Terrace, Westerton Lane, West Ardsley, near Leeds.

FOR immediate Sale, 72 green glass pint Syphons in ½ doz. cases. Particulars Oldham, Eton, Bucks.

OVERSTOCKED.—1 Barrel Sesame Oil. What offers? S. M. Hibberd, Wolverhampton.

SYPHON-FILLING Machine; Barnett and Foster's No. 2 compact for hand or power, fitted with patent gas-reducing valve; good order; price £35 or near offer. Emmerton, 27 High Road, Balham, London, S.W. 12.

UPRIGHT Showcase, 7½ ft. high, 3½ ft. wide, 18 in. deep, with four glass shelves on standards; good condition. Can be seen at Bishops' Photo Dept., 466 Holloway Road, N. 7.

BUSINESSES WANTED.

4s. 6d. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

LEICESTER or Birmingham District preferred, but not essential.—Young Pharmacist, successful Manager, with undenied references and £1,000 capital, wants sound Business; would entertain Partnership or Manageryship with view to succession. Usual particulars, in strict confidence, to "Lester" (214/23), Office of this Paper.

LIVERPOOL or Suburb.—Pharmacist, demobilised, requires Business, preferably Light Retail and Photographic; returns £2,000 (about); must bear strict investigation; principals only. Particulars, in confidence to "Merseyside" (199/8), Office of this Paper.

PHARMACIST wishes to purchase genuine Business, preferably with living accommodation and scope for increase; country business or one in small town in Midlands preferred but not essential; cash available about £250, or larger one entertained if suitable terms can be arranged; full particulars of business, locality, etc., in strict confidence. "Midlands" (211/36), Office of this Paper.

PHARMACIST wishes to purchase good sound Business; healthy locality; good domestic accommodation; South Coast or West of England preferred, not essential; scope for Optics and Photographic trade; full particulars will be treated in strictest confidence, and all letters replied to. Apply 208/3, Office of this Paper.

PHARMACIST requires a Business; London suburbs or provincial town; returns from £900 to £1,500; hanker's reference. "Hugo" (214/32), Office of this Paper.

PHARMACIST-OPTICIAN wishes to purchase small, sound Retail and Dispensing Business in healthy locality, with good Optical scope; neglected business not objected to, or would manage, with view to succession; cash available £250. Full particulars, in strict confidence, "Pharmoptic" (207/36), Office of this Paper.

SOUND Business wanted in Midlands or North-West, showing £450-£500 net profit; seaside or healthy suburb or small town preferred, but not essential; living accommodation necessary. Full particulars in strict confidence to "Lancashire" (213/11), Office of this Paper.

WANTED, a good Business in Midlands, Warwickshire preferred; a good country Business preferred; one with off-licence attached not objected to; cash up to £2,000; must bear every investigation. Replies in strict confidence to "Midlands" (210/40), Office of this Paper.

WANTED, sound Business; £400 cash down, remainder by quarterly instalments; South Coast, London suburbs, or near preferred; replies treated in confidence; house attached. "Business" (214/16), Office of this Paper.

WANTED, a good-class Retail and Dispensing Business; must bear the strictest investigation. Kindly give full particulars, which will be treated in confidence, to "Spear" (200/32), Office of this Paper.

APPRENTICESHIPS.

4s. 6d. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

APPRENTICE wanted for a good-class Retail and Dispensing business in North London; must have passed the Preliminary; time off allowed for attending classes and study; sleep out. Address "Aspirin" (212/33), Office of this Paper.

SITUATIONS OPEN.

4s. 6d. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

RETAIL

BIRMINGHAM.—Qualified Manager required for business situate in a working-class district; excellent opening for a man who has had experience in similar business; some heavy trade; good terms offered. Apply 210/150, Office of this Paper.

BLACKPOOL.—Competent Assistant; qualified preferred (outdoors). Apply, with full particulars and references, to C. R. Gautier, Chemist, 88 Central Drive, Blackpool.

BRISTOL.—Qualified Manager for Light Cash Retail, with N.H.I. Dispensing; branch is situated in pleasant suburb. Please send usual particulars to C. A. Stokes, Chemist, Bristol.

BROMLEY (Kent).—Junior or Improver (indoors), with knowledge of Homœopathy preferred, though not essential. Apply, stating age, height, references, and salary required, with photo, to R. Skinner, 26 Widmore Road, Bromley, Kent.

CHARING CROSS HOSPITAL, AGAR STREET, W.C. 2.—Required, from August 5, qualified Assistant Dispenser (male); salary £175. Applications, giving full particulars as to age and experience, to be addressed to the Secretary of the Hospital, marked "Dispenser."

CHESTER.—Qualified Assistant required (married) for high-class Retail and Dispensing business, house, with or without furniture (over Pharmacy); rent free; send full particulars of experience, age, height, and salary. Apply to W. F. J. Shephard, Davies & Shephard, Chemists, Bridge Street Row, Chester.

CITY.—Qualified Assistant wanted for Dispensing and Retail. Apply, with full particulars, to R. Howden, 11 Fenchurch Street, E.C. 3.

CITY.—Assistant required, qualified or unqualified. Apply personally, or write full particulars to B. Hooper & Co., 45 King William Street, London Bridge, E.C. 4.

COVENTRY.—Assistant wanted; good Counterman and Dispenser; state age, experience, references; qualification (if any), salary required, and when disengaged. Apply Bird, Chemist, Coventry.

CRANLEIGH.—Competent Assistant required for three weeks in July; capable of taking charge if necessary. Full particulars to Hillman Attwell, Cranleigh, Surrey.

CROMER.—Junior required (at once) to assist chiefly in Photographic Department, Kodak vertical tanks used, gaslight printing; permanency for suitable man. Hoare, Chemist, Cromer.

DARLINGTON.—Qualified Manager required; knowledge of Photography preferred; quick Counter trade; abstainer preferred. Apply, stating age, height, experience, and salary required, to Waters, Chemists, Darlington.

LEAMINGTON SPA.—Competent Assistant wanted with good Dispensing and Counter experience (outdoors); either sex. Apply, giving full particulars as to age, salary, experience, etc., to J. K. Tonkin, Leamington Spa.

LONDON (Near).—Sutton, Surrey.—Wanted, competent lady Dispenser (by middle of July); one not objecting to help at Counter, etc.; hours are easy. Apply, giving references, and stating salary required, enclosing carte-de-viste if possible, to Cooper, Chemist, Sutton.

LONDON, N.E.—Smart Girl with experience for Counter, Stock, Window-dressing, etc.; no poisons; wages to begin about £2 per week. Apply to Grant's Drug Stores, 33 Chatsworth Road, Clapton Park, N.E.

LONDON, N.W. 6.—Wanted, a capable Assistant; one accustomed to high-class Retail and Dispensing business. Apply, with full particulars, experience, and salary required, to W. J. Dalby, 6 Canfield Gardens, Finchley Road, N.W. 6.

LONDON, S.E. (near Elephant and Castle).—Qualified Manager required for a progressive business; permanency with a liberal interest in the profits offered to the right man. Apply "S.E." (210/151), Office of this Paper.

LONDON, S.E.—Wanted, unqualified Assistant; capable of taking charge; outdoors. State age, experience, salary required, 213/21, Office of this Paper.

LONDON, S.W.—Wanted, for Retail and Dispensing business, good all-round Assistant (outdoors); must be accurate Dispenser. Full particulars as to salary, experience, etc., to "Radix" (211/25), Office of this Paper.

LONDON, S.W.—Unqualified Assistant, accustomed to good-class Dispensing, Retail, and Photography. Apply, with full particulars, experience, age, salary (outdoors), etc., to Gray, 5 High Street, Barnes.

LONDON, W.—Junior Assistant wanted immediately (outdoors); one just out of his apprenticeship would suit; two other Assistants kept; hours 8.30 a.m. to 7 p.m. Apply, stating salary required and usual particulars, to "M." (191/44), Office of this Paper.

LONDON, W.—Wanted, an Assistant for good-class Dispensing; knowledge of French or Italian preferred. Apply, stating salary required, G. Fortuna, Ltd., 41 Frith Street, Soho, W.

LONDON, W.—A qualified Dispenser. Apply by letter, stating age, experience, and salary required, Squire & Sons, Ltd., 413 Oxford Street, London.

LONDON, W.C.—Manager; qualified; young, capable, energetic; West-End experience; good progressive salary and commission; outdoors; closing 8 p.m. Cofman's Pharmacy, 6 Bloomsbury Street, W.C.

MALVERN.—Manager (qualified) for Branch; Light Retail and Dispensing; suit married man requiring permanency; house attached to business; please state age, experience, and salary required. A. E. Baylis, Chemist, Great Malvern.

MANCHESTER.—Qualified Branch Manager; must be active and good salesman; hours 9 to 8, Wednesdays 1, alternate Saturdays 6 p.m. to 8 p.m. Please give full particulars of age, height, references, and salary required, in first letter, David Dickson, 716 Ashton New Road, Clayton, Manchester.

MANCHESTER DISTRICT.—Temporary Junior Assistant for quick cash trade; no Sunday or half-holiday duty; state salary and usual particulars; can commence at once. Apply 211/35, Office of this Paper.

MANSFIELD.—A Junior qualified Assistant for July. B. Adams, Mansfield.

MIDLANDS.—Qualified man (single) required to undertake relief for holidays of Managers; permanency if satisfactory, and excellent prospects. Apply "Mid." (210/153), Office of this Paper.

NEAR BIRMINGHAM.—Elderly qualified man required; must be active and be a capable Dispenser; comfortable and permanent berth. Apply "W." (210/15), Office of this Paper.

NEAR MANCHESTER.—Wanted, Assistant to commence duties; no Sunday duty, half-holiday; give full particulars and salary required. T. M. Cook, Chemist and Optician, Hindley.

NEWPORT, MON.—Unqualified Assistant required (immediately); must be a good Counterman and Dispenser; permanent and progressive berth. Apply "Newport" (210/152), Office of this Paper.

NORTHAMPTON.—Wanted, male Assistant; must be used to high-class Dispensing; four kept; good salary to competent man (outdoors). Apply McKinnell, Chemist, Northampton.

PLUMSTEAD, S.E. 18.—Qualified Manager required for Photographic and Dispensing Business (outdoors). Apply to A. Goldthorpe, M.P.S., 70 Herbert Road, Plumstead, S.E. 18.

RADCLIFFE, Manchester.—Wanted, a qualified Assistant to Manage Branch; N.H.I. Dispensing and good Retail; easy hours; no Sunday duty. Usual particulars and salary required to Smith & Son, Chemists.

RHYL.—Wanted (immediately), experienced and energetic Assistant; unqualified; easy hours. State usual particulars and salary required to Ashfield, Pharmacist, Rhyll.

STAFFORDSHIRE.—Locum Dispenser, lady, qualified, wanted for Doctor for six weeks from July 30th. Apply 214/25, Office of this Paper.

WALSALL.—Wanted, qualified Assistant (end of July); high-class trade; good salary to suitable man. Give full particulars in first letter to Haywards, Leicester Square, Walsall.

WEST BROMWICH, near BIRMINGHAM.—Wanted, Branch Manager; good wages and commission to reliable qualified man. Apply, with particulars first letter, stating salary required, experience, and references, to Samuel Shelley, Ltd., Market Place, Bilston.

YORK.—Wanted, competent Assistant, accustomed to good-class Retail and Photographic; energetic, up-to-date Counterman and Window-dresser; no Bank Holiday or Sunday duty, and no N.H.I. State age, height, experience, and salary required (outdoors), and enclose photo, to Brown's Drug Co. (C. M. Brown, Chemist), High Ousegate, York.

YORKS, WEST RIDING.—Unqualified Manager required for progressive business; good interest in the profits offered; permanency. Apply "W. R." (210/154), Office of this Paper.

ASSISTANT wanted (early in July) for good-class Business. Apply, with full particulars as to age, experience, references, and salary required, to A. E. Coverdale, Pharmaceutical Chemist, Worcester.

ASSISTANT wanted for good-class Dispensary and Retail business; age 20 to 25. Apply, stating full particulars, salary required, etc., to M. C., 315 High Holborn, W.C.

ASSISTANT (unqualified) wanted at once; good Counterman and Dispenser essential; good salary and commission. Apply "Senega" (212/280), Office of this Paper.

ASSISTANT wanted; qualified preferred. State particulars and salary required, Starkie, 126 Strand.

ASSISTANT required (at once); Light, good-class business; hours 8.30 to 7.30; half-day Thursday; no night or Sunday duty. Knowles, Fletcher & Co., Ltd., Belvedere.

BRANCH Manager, South Coast town, for business to be opened shortly in middle-class residential district; excellent opportunity for energetic man prepared to accept a moderate salary and fair share of profits from the business he creates; lock-up shop; healthy, bracing neighbourhood; every help will be given by Pharmacist Proprietor to make the enterprise successful; state experience, age, salary, when disengaged. "Co-operation" (203/1), Office of this Paper.

CHEMIST'S Assistant required (outdoors). Apply, stating experience, salary expected, etc., to Fieldings' Pharmacy, Cork, Ireland.

CHEMIST, qualified, young, required shortly for a good brisk trade; N.H.I. Dispensing and general Retail; quick, smart, clean, active worker; give full particulars first letter, age, salary required, and experience; good prospects for the right man; North Staffs. Apply 213/3, Office of this Paper.

DISPENSER (lady) required (at once) in Private Surgery, for 40 hours weekly; alternate Sunday duty; Chemist's experience preferred. Age, experience, and salary required to Dr. Thornton, 573 Romford Road, Forest Gate, E. 7.

ELDERLY Chemist required, about August, as Superintendent and N.H.I. Dispenser; comfortable permanent berth to right man. Full particulars and salary required, with past experience, references, etc., 213/300, Office of this Paper.

ENERGETIC, qualified man as First Assistant; must be thoroughly reliable and capable of taking charge if necessary; good-class cash business; no Sunday duty. Full particulars and salary required to Durbin & McByrde, 112 North End, Croydon.

EVENINGS.—Wanted, an Assistant (early in July) for five evenings weekly from about 5 to 5.30 p.m. R. Banbury, 390 Walworth Road, S.E.

EXPERIENCED Assistant, qualified or unqualified, capable of taking charge, required; knowledge of Optics and Photography preferred but not essential; easy hours, no Sunday or holiday duties; good salary and a percentage on turnover to a reliable man; references must be unimpeachable; within 30 miles of London. Apply 208/37, Office of this Paper.

FIVE or six weeks August and September, Locum wanted, qualified, for two shops in turn. State salary and particulars to Dennis, Chemist, Northampton.

IMPROVER or Junior wanted. Apply, with references, salary required, and other particulars, Frank Edwards, 192 Cowbridge Road, Cardiff.

INDOOR Assistant wanted (at once); state age, height, experience, salary required, give references. Apply to Milne, Chemist, Amesbury, Salisbury, Wilts.

JUNIOR Assistant wanted with good Dispensing experience. State age, salary required (outdoors) by letter to John Atkins, Chemist, 109 Queen's Road, Bayswater, W. 2.

JUNIOR, as Second Assistant for Counter, Dispensing, and Window; knowledge of Photography essential. Apply, stating age, experience, and salary required, to S. Head, Pharmaceutical Chemist, Colchester.

LOCUM, for four or five weeks from about middle of July. Mitchell, Gtreta.

LOCUM (qualified) wanted, June 30th to July 5th inclusive; hours 8.30 to 6.30, Saturdays 1 o'clock. State terms and forward references to Mr. Duncan, Jones Brothers (Holloway), Ltd., Holloway Road, N.

LOCUM wanted, lady or gentleman, for two weeks in July; single-handed business; easy hours; light business; state terms and usual particulars in first letter. Ramsey, Drug Stores, Sunbury-on-Thames.

LOCUM-DISPENSER (lady) wanted for Doctor's practice for three weeks from August 15th; previous experience in private practice necessary; country town (Hertfordshire), one hour from Euston. Apply 204/31, Office of this Paper.

LOCUM-DISPENSER for 8 weeks. Apply, giving full particulars, to Pharmacist, Victoria Park Hospital, E. 2.

MANAGER wanted, qualified, single; good Counterman. Apply, with two references, salary required, etc., Frank Edwards, 192 Cowbridge Road, Cardiff.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist; easy hours; good and progressive salary, with excellent prospects; free removal.

PHOTOGRAPHY.—Young lady wanted for Developing and Printing, and knowledge of Photography in general. Clarke's, Chemist, Newport.

QUALIFIED Manager wanted immediately; must have knowledge of Photography, and a good organiser; salary £260 per annum and commission. Address "Cynchora" (212/28), Office of this Paper.

QUALIFIED Assistant, married man preferred, with view to partnership; must be well up in Dispensing; please send references. Butcher & Pattison, Chemists, Cheltenham.

QUALIFIED Assistant wanted for Retail and Dispensing business. Apply, with usual particulars, Exors. Joseph Price, 225 Great Cheetham Street, Higher Broughton, Manchester.

QUALIFIED Assistant for good-class Retail and Dispensing business. Apply, with references and salary expected (photo if possible), to B. Salter & Son, Chemists, Castle Street, Shrewsbury.

QUALIFIED Assistant wanted for country business in Midlands; Light Retail and N.H.I.; short hours; no Sunday or Thursday duty; Extractor preferred, but not essential; permanency. "Rhei" (193/26), Office of this Paper.

REQUIRED (at once), a Stockkeeper; capable of packing proprietaries and looking after the stock. Stage age, full particulars (by letter), to John Atkins, Chemist, 109 Queen's Road, Bayswater, W. 2.

REQUIRED, qualified Assistant for old-established Retail and Dispensing business, with Optics and Photography. Commencing salary 5 guineas per week. Apply, with full particulars, to A. P. Tiley, Pharmacist, Burslem, Stoke-on-Trent.

SAVORY & MOORE, LTD., Lancaster Gate, London, W. 2, require the services of a qualified Assistant (gentleman); age not over 35 (outdoors) with first-class Dispensing and Counter experience. Full particulars to the Manager.

SMART Junior for good-class Counter and Dispensing business. Please state particulars as to apprenticeship, recent engagements, and salary required (outdoors), to H. W. Herbert, Park End, Egham, Surrey.

SMART Junior Assistant required (at once); brisk Counter trade; knowledge of Photography essential. Apply, with references and photo, stating salary required, to W. Finlayson, 141 High Street, Stockton-on-Tees.

TEMPORARY Assistant wanted for 2 weeks in August (holiday relief) at Hampstead; sleep in, board out; state terms and enclose references. S. E. Amos, 10 Limes Road, Weybridge.

TEMPORARY Assistant wanted for July. Clarke's, Chemist, Newport.

THOMPSON & CAPPER, LTD., require Assistants (qualified and unqualified) for Branches in Lancashire and Yorkshire; a knowledge of Photography essential. Apply, giving particulars as to experience and stating salary required, to Thompson & Capper, Ltd., Manesty Buildings, College Lane, Liverpool.

UNQUALIFIED Assistant for good-class Light Retail business; applicants must send full particulars of experience, stating age and salary required. S. M. Hibberd, 26 Queen Street, Wolverhampton.

UNQUALIFIED Assistant wanted immediately, mostly for Counter work; Photographic Salesmanship essential. Atkins & Son, Pharmacists, Salisbury.

HACKNEY UNION INFIRMARY.

WANTED, a Second Assistant Dispenser (lady), whose duties, under the direction of the Medical Superintendent, will include work in the Clinical, Laboratory, and X-Ray Department. Salary £90 per annum, and a War Bonus (subject to regulations) of £39 per annum.

Candidates must hold the Dispensing qualifications of the Society of Apothecaries or the Pharmaceutical Society.

The appointment will be subject to the provisions of the Poor-Law Officers' Superannuation Act, 1896.

Apply on printed forms, to be obtained at my office.

Selected candidates will be written to.

FRANK R. COLES,

Clerk to the Guardians.

Clerk's Office,
Hackney Union,
2 Sidney Road,
Homerton, London, E. 9.
13th June, 1919.

WANTED (immediately), Assistant or Locum (lady or gentleman); qualification not essential. Oldfield, Chemist, Station Road, Westcliff-on-Sea, Essex.

WANTED (at once), unqualified Assistant with good Dispensing and Counter experience; please state full particulars in first letter. S. P. Sayers, 7 Brent Street, Hendon, N.W. 4.

WANTED, for Mixed Country business, capable and energetic young Assistant, qualified or unqualified; hours, 8.30 to 7, Thursdays 1, Fridays 8, Saturdays 9; no night or Sunday duty; with Photographic experience preferred. Apply, with references and usual particulars and salary required, to Clegg & Son, Chemists, Wantage.

WANTED for good-class Retail and Dispensing business, in Midland county town, Assistant; able to take over management when required; good Salesman and Window-dresser; some Photographic experience preferred. Apply, stating age, experience, references, and salary expected (enclosing photo), to 213/33, Office of this Paper.

WANTED, qualified Locum, from end of July to September 1st; please state references, age, and salary required (indoors). Williams & Smith, Chemists, Horsham.

WANTED, Junior Assistant or Improver; outdoors; good-class Mixed business. Roberts (Chemists), Ltd., Belgrave Road, Longton, Stoke-on-Trent.

WANTED, for quick Cash Retail business, Improver or Turn-over Apprentice; salary 30s. weekly; the usual half-holiday weekly given. Apply, giving full particulars of experience, references, etc., and enclosing photo (if convenient), to T. Woodruff, Ph.C., Hazel Grove, Ches.

WANTED, a reliable Assistant (either sex), accustomed to Dispensing and General Retail business; outdoors. Apply, with full particulars, stating salary required and when at liberty, to Reynolds & Johnstone, Chemists, St. Mary's Street, Wallingford, Berks.

77/6.—**I**MMEDIATELY; unqualified Assistant, preferably single and under 31, for good-class Retail, Dispensing, and Photographic business; good worker and smart Salesman; undeniable references necessary; none others need apply. H. Hall, 31 The Broadway, Crouch End, London, N. 8.

WHOLESALE.

4s. 6d. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

CAPSULE Maker required for hand-made Capsules; must be capable and experienced; good wages and permanent position. State usual particulars, "Progress" (193/180), Office of this Paper.

CARAMEL Maker required; able to work the plant, etc. Apply, stating wages required, experience, and age, to 211/70, Office of this Paper.

CLERK wanted; good-class managing Invoice Clerk, having had good experience with first-class firm doing business with medical men; permanency. Apply "Progress" (193/18), Office of this Paper.

COUNTERMEN wanted; under 30 years of age. Apply Johnson & Sons, Manufacturing Chemists, Ltd., 23 Cross Street, Finsbury, E.C. 2.

EXPERIENCED Representative required by leading firm of Manufacturers of Chemists' and Druggists' Sundries and Toilet Adjuncts; London and South; good prospects for experienced man conversant with this territory. Apply 189/72, Office of this Paper.

J. GEDDES, Chemist, Brisbane, Australia, would be pleased to hear from Chemists who intend to come to Australia; they should send copies of testimonials from good Wholesale houses, and also give the very fullest details.

LABORATORY Hand; wages 52s. 6d. Apply, stating age and experience, to Corbyn, Stacey & Co., Ltd., 673 Commercial Road East, E. 14.

LIVE Representatives with existing connections wanted to take over and renew pre-war business of progressive sundries house (no drugs) on commission basis; carrying another line (non-elashing) not objected to; exclusive territory arranged; London and suburbs, Scotland, Northern, Midlands, South Coast. Write fully to 208/35, Office of this Paper.

MAN required to work process with chemical plant. Reply, stating age, experience, and wages required, to 211/7, Office of this Paper.

PHARMACIST wanted (temporary appointment) for Manufacturing Laboratory. Apply, stating age, experience, and salary required, to Brady & Martin, Ltd., Northumberland Road, Newcastle-upon-Tyne.

PILL and Tablet Maker required by well-known, old-established Wholesale Druggists; South London. State age, experience, wages required, and if disengaged, to 191/65, Office of this Paper.

REPRESENTATIVES REQUIRED by REPUTABLE FIRM OF MANUFACTURERS' AGENTS to carry one or two side-lines on a commission basis, all of which are good sellers and first quality goods; only those capable of earning big money and with established connections amongst Chemists need apply. Please give full particulars as to age, ground covered, and lines carried, in strictest confidence, to "L." (193/16), Office of this Paper.

REPRESENTATIVE.—Englishman, well acquainted with export trade in Fine and Heavy Chemicals, with knowledge of languages, wanted for Travelling in Eastern Europe; highest references required. Please write L. Rozen, 36/37 Mincing Lane, E.C. 3.

SMART Assistant wanted for Order Department of manufacturing house with good knowledge of Druggist Sundries trade; age 17 to 20 years; good handwriting essential; good opportunity for advancement. Apply, own handwriting, stating experience and salary required, to 208/39, Office of this Paper.

SMART methodical Stockkeeper required. Please give full particulars of experience, age, salary required, 213/5, Office of this Paper.

TABLET Maker.—Man required; must have had good experience; excellent prospects; permanency. State full particulars and wages required, "Progress" (193/182), Office of this Paper.

TRAVELLER wanted, calling on Chemists and Hairdressers, and to assist business generally. Full particulars to "R. L. H." (211/15), Office of this Paper.

TRAVELLER, to call on Chemists and Stores for London and suburbs, by well-known firm manufacturing Toilet Soap and Toilet Requisites. Write, giving full details of experience, and stating salary required, to "G." (190/72), Office of this Paper.

TRAVELLER wanted, smart, with connection amongst Chemists, Stores, Ironmongers, to represent firm of Sponge and Brush importers; good wages, commission, and expenses. Apply 208/36, Office of this Paper.

TRAVELLER required to carry high-class Proprietary line; one already calling on Chemists, Hairdressers, and allied trades in Bristol and South-Western counties; commission basis and liberal support. Apply 213/34, Office of this Paper.

TRAVELLER wanted, calling on Wholesale Sundry and allied houses; all England available, exclusive of London. Apply 213/9, Office of this Paper.

TRAVELLERS required, one for South-West England, one for North Wales, for Druggists' Sundries and Packed Goods, to represent well-known and old-established House. Write, stating full particulars, age, experience, etc., to Box 5,377, c/o Frost Smith & Co., 66 Finsbury Pavement, E.C. 2.

TRAVELLERS wanted by substantial Manufacturing house (several firms amalgamated); must be progressive and energetic Salesman; able to influence good business among Chemists and Wholesale Grocers; only good men considered, preferably willing to invest £100 or more in shares; excellent prospects. State district familiar and full details in confidence, "L." (193/28), Office of this Paper.

VACANCY for clever Chemist with original ideas, to assist Wholesale Chemist Manufacturer; exceptional opportunity for progressive, permanent position. Apply R. Barron, 30 Craven Street, London, W.C.

WANTED, fully-qualified Chemist with a knowledge of Optics, as Buyer and Manager. Applications, stating age, wage, and experience, to Committee, Co-operative Society, Ltd., Middlesbrough.

WANTED, for Laboratory of a large Food Factory, a lady Assistant to undertake general analysis of Commercial Products, and willing to assist in Research or other work required in Laboratory. Apply, giving previous experience, details of training, salary required, etc., and enclosing copies of testimonials, to 185/56, Office of this Paper.

WANTED, Managing Assistant; good London and Provincial experience; knowledge of Optics and Surgical desirable, but not a *sine qua non*; good salary and prospects. Apply W. Bates & Co., Ltd., Southampton.

WHOLESALE Manufacturing Firm in the North require the services of a qualified Chemist as Manager of their Galenical Department; one with Manufacturing experience essential. Apply, stating salary required and all particulars, to "A.B." (189/64), Office of this Paper.

YOUNG man required for Laboratory work; one with some experience in making Tinctures, Emulsions, etc., preferred. Apply, stating experience and salary required, "Progress" (193/181), Office of this Paper.

SITUATIONS OPEN.

4s. 6d. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

(Colonial, Indian and Foreign.)

BANGKOK, SIAM.—Qualified Assistant required; knowledge of sight testing and fitting essential; one with good-class London experience preferred; four years' agreement; salary £400, £425, £450, £500 yearly, with furnished quarters; passage paid out and home. Apply, with testimonials and photograph, to "M. H.," Export Department, S. Maw, Son & Sons, Ltd., 7-12 Aldersgate Street, E.C. 1.

FEDERATED MALAY STATES.—Qualified Assistant; unmarried; must have had good experience in retail; terms three years' agreement; salary 350, 400, 450 pounds sterling per annum; passage paid second class out and home; short hours; good climate; the firm one of the largest in the East; and the position and surrounding country most attractive. Apply Dakin Brothers, Ltd., 82 Middlesex Street, E. 1.

HONG KONG.—Two thoroughly reliable Assistants, who have had good experience in first-class Retail business; age 22 to 30; four or five years' agreement; salary for qualified men £480, rising to £510 or £520 per annum; passage paid out and home. Address "Export" (211/13), Office of this Paper.

HONG KONG.—Qualified Chemist for large Dispensary; must be single, abstainer, have had good Counter experience; salary £30, £32 10s., £32 10s., £35, £35; five years' agreement; two weeks' holiday; 2½ per cent. bonus on net profits of the company; passage paid out and home. Apply, with copies of testimonials, to "G. K." (192/67), Office of this Paper.

JAPAN.—Two qualified Assistants wanted for old-established European Pharmacy in Yokohama; free furnished quarters, with lighting and heating; second-class passage out and home; four years' agreement. Apply, with testimonials and photo, to "M. H." Export Dept., S. Maw & Sons, Ltd., 7-12 Aldersgate Street, E.C. 1.

SOUTH AFRICA.—Wanted, Chemist's Laboratory Manager; experienced in actual Wholesale Chemists' Laboratory; three years' agreement; £20, £21, £22 monthly respectively. Write, stating particulars, record, "L. M.," c/o Streets, 30 Cornhill, London, E.C. 3.

SOUTH AFRICA.—Wanted, experienced, unqualified Chemists' Assistant for Sundries Department; knowledge Photographic and Surgical goods and Patent Medicines; three years' agreement; £18, £19, £20 monthly respectively. Writing, stating particulars, record, "S. A.," c/o Streets, 30 Cornhill, London, E.C. 3.

STRAITS SETTLEMENTS.—Qualified Assistant, young, and capable of managing Branch Dispensary; four years' agreement; passage paid out and home; salary first year, £30 per month, second and third years £32 per month, fourth year £35; splendid opportunity for an energetic man; a knowledge of Optical and Photographic work desirable. Apply W. C. H., Burgoyne, Burbidges & Co., Ltd., East Ham, E. 6.

LABORATORY Manager wanted for abroad; a first-class man able to take charge of a Steam Laboratory; must be thoroughly up-to-date in every respect and experienced in the manufacture of coated Pills and Tablets by modern machinery; an excellent opening for a young man desirous of settling in a comfortable position in a healthy British colony. Write "E. B. R.," 43 Northumberland Avenue, South Wanstead, London, E. 12.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every additional 10 words or less, prepaid.

[HOME.]

RETAIL.

A LOCUM, qualified, 20 years' experience, excellent references, who has just completed successful Management of business for widow, just sold, desires engagement, any district; disengaged June 28th to August 10th and August 25th onwards. "Chemist," c/o Mr. Archer, Pharmacist, Epworth, via Doncaster.

A S Branch Manager; good-class Drug Stores; very successful in similar post; wife experienced, could help if necessary; highest references; permanency desired; interview if possible. Odgers, 191 Portwood Road, Southampton.

A S Improver until end of August; good pre-war experience. Morgan, 4 St. Albans Road, Treherbert, Glam.

A S Locum; widest experience; highest references; well recommended; August, September. Apply "Alpha" (213/18), Office of this Paper.

A SSISTANT (30); unqualified; good experience; good references. "Resinol," 123 Lordship Road, London, N. 16.

A SSISTANT; unqualified; 40; locum or permanency; disengaged. C/o 49 Walton Street, Leicester.

A SSISTANT (29); unqualified; energetic; nine years' experience Dispensing, Counter, Photography; references first-class; London. State hour and salary, 4 Cromwell Road, Teddington.

BIRMINGHAM or BANBURY DISTRICTS.—Assistant seeks berth with Chemist; Dispensing, Photography, and Counter; five years' experience; state hours and salary given. Apply 211/24, Office of this Paper.

BLACKPOOL District.—Experienced Assistant (unqualified) desires permanency. Oliver, 2 Christian Road, Preston.

BRIGHTON OR NEAR.—Assistant or Manager; unqualified; 28; married; highest local references; Dispensing, Counter, Photography; with house preferred; 'phone 2327 Hove, or write to 213/23, Office of this Paper.

CANTERBURY.—Lady Dispenser desires post with Doctor Chemist, or Institution; free in July. Apply "Dispenser," 322 Brighton Road, South Croydon.

CHEMIST.—Lady (young) requires Locums or permanency; Birmingham or Midlands; Retail, Wholesale, Hospital, and Analytical experience; highest references. "Pharmacist," 252 Heathnield Road, Handsworth, Birmingham.

CHEMIST Assistant, unqualified, eight years' experience, accurate Dispenser and good Counter Hand, knowledge of Photography, seeks permanent berth first week in July; please state salary. Apply 208/28, Office of this Paper.

COMPETENT Junior Assistant (Scotch), about five years' experience, desires change; excellent references; usual particulars first letter. Apply 205/30, Office of this Paper.

DEMOBILISED, 24, six years' Counter, Wholesale, desires experience Retail; evenings only; E. London preferred; slight Dispensing; used to making up stock; good Salesman. Apply 211/16, Office of this Paper.

DEVON or CORNWALL.—As Manager; excellent references; abstainer, married; good experience in up-to-date businesses; smart Counterman and Window-dresser; neat and accurate Dispenser; some knowledge of Photography; a permanency desired, or with view to purchase of business; suitable for unregistered. Apply 210/14, Office of this Paper.

DISENGAGED; Locum or permanency, or part-time, Manager or otherwise; Extractor, Window-dresser. Bedding, 10 Ponsby Terrace, Westminster, London.

DISPENSER (lady) desires work; two years' experience. Clarke, 60 Queen's Road, Teddington.

DISPENSER, Bookkeeper, etc.; age 40; twenty years' experience; disengaged; permanency required; or would do locum; first-class references. Strutt, 2 London Road, Hailsham.

DISPENSER.—Young lady, age 19, Hall certificate, requires position in good-class Chemist's. Holland, 5 Lawn Terrace, West Kensington, W. 14.

DISPENSER and Bookkeeper (male) requires post; thoroughly experienced; excellent references; strictly temperate. Address, stating terms, to Stuart, 97 High Street, Hythe, Kent.

DISPENSER, lady, requires post; Doctor or Hospital; Hall qualification; good references; 2½ years' experience. E. M. Westwood, "Fleet," Solihull, Warwickshire.

DISPENSER-BOOKKEEPER, Hall qualification, fluent French, desires post; Doctor, Hospital, or Institution. Address Miss Mulard, 88 Walton Street, S.W. 3.

DISPENSING.—A lady (Hall qualification) seeks post; Institution or with Doctors; near sea preferred; two years' experience London pharmacy. "A.," 2 Stanhope Gardens, Ilford, Essex.

EVENINGS from 6, and Sundays for several weeks; qualified; central. T. W., 2 Endsleigh Street, Tavistock Square, W.C.

HARROGATE or District.—Advertiser, 31, married, unqualified, abstainer, seeks post Wholesale or Retail; nine years' Wholesale abroad; highest references; state salary. "Harrogate" (190/18), Office of this Paper.

JUNIOR, 19; four years' experience (outdoors; West of England preferred. Rogers, Fore Street, Kingsbridge, Devon.

JUNIOR, unqualified, 25, just demobilised, desires situation; four years' R.A.M.C.; had good dispensing and Counter experience; excellent reference. Roberts, The Bungalow, Copthorne, via Crawley.

LADY Assistant (unqualified) requires post with Chemist; good experience in Dispensing and Counter; knowledge of Photography; good references. Apply A. Verman, Oakley House, Burnham-on-Sea, Som.

LADY Dispenser (Hall) desires post, temporary or permanent; 13 years' Institution experience; at present in Military Hospital closing down; state salary offered. Apply 210/35, Office of this Paper.

LADY Dispenser (Hall) desires post; Chemist, Institution; no evening work; London preferred. Apply 211/11, Office of this Paper.

LADY Dispenser (Hall) requires part-time post with Doctor or Chemist; mornings and afternoons only. B., 12 Melbourne Road, Merton Park, S.W. 19.

LADY in the Midlands (unqualified) desires post part-time with a Chemist in or near Birmingham; disengaged from July 1st. Miss B. Overton, Milford House, Tudor Hill, Sutton Coldfield, Warwickshire.

LADY Locum, capable, unqualified, post; Doctor or Hospital. "June," 52 Marloorough Road, Watford.

LADY (Minor), 22, good Dispensing and Counter experience, desires post; good references. Apply 210/26, Office of this Paper.

LADY Dispenser, Hall (23), requires post; country or seaside town; books; Hospital experience; permanency preferred, but would take locum at early date. Apply 214/22, Office of this Paper.

LADY Dispenser, Hall, requires post in good Pharmacy; West-cliff, South, or S.E. Coast preferred; reliable; good references; free now; moderate hours; would take Locum. Apply 214/17, Office of this Paper.

LADY Dispenser (experienced) requires post; whole or part-time. Apply 213/17, Office of this Paper.

LONDON or Home Counties.—As Manager or Managing Assistant; age 32; unqualified, but thoroughly competent; experienced in Management and Buying; highest references; good salary (and commission preferred); Partnership or Succession entertained; married. Apply 212/22, Office of this Paper.

LOCUM, over 30 years' wide experience Hospital and Pharmaceutical; qualified; two weeks only vacant August. M. Smith, c/o Bell & Co., York Road, Waterloo, S.E.

LOCUM; disengaged; qualified; 46; Dispenser, Prescriber, Photography; energetic worker. Apply 211/19, Office of this Paper.

LOCUM; qualified; 34; West of England or Bournemouth district. Apply "F.," The Knowlsh Pharmacy, 321 Wells Road, Bristol.

LOCUM, unqualified, excellent references, smart appearance, now booking dates; at liberty July 1st. Write "Tolu," 67 Chateworth Road, Morecombe.

LOCUM; July; afternoons and evenings; in Manchester or district; good experience; Apothecaries' Hall. Winifred Edghill, 453 Chester Road, Manchester.

LOCUM Dispenser (lady), experienced; disengaged for next three months; seaside preferred. Apply 211/110, Office of this Paper.

LOCUM; qualified; Manager's experience (including Photography); 28; first fortnight August; seaside, Scotland, or North of England. Apply 208/2, Office of this Paper.

LOCUM; disengaged August or September (fortnight); England, North; qualified; highest references; six guineas per week. Harrison, c/o Fairman, Chemist, Vine Place, Sunderland.

LOCUM; experienced; London, West End, and first-class country business; engagement desired; at liberty early August. Address "Pharmacist," 8 Abingdon Road, W.

LOCUM; disengaged shortly. Lynn, 2 Lodge, Sinclair Mansions, W. 12.

LOCUM; qualified; abstainer; experienced; disengaged July 28th. August 9th. S. S., c/o Mr. Kirkby, Chemist, Belmont, Surrey.

LOCUM; 35; now booking; experienced. Write "Trumpet," 40 Woburn Place, W.C. 1.

LOCUM; qualified; 40; experienced; disengaged July. "R.," 38 West Brampton, Newcastle, Staffs.

LOCUM (30); Dispenser or sole charge; experienced; disengaged June 23rd onwards; London preferred. "B.," 19 Shrewsbury Road, New Southgate, N. 11.

LOCUM; 30 years' first-class experience; smart, active Counter-man; good Managing Assistant; highest satisfaction; disengaged two last weeks July, afterwards free from September 2nd; salary £5 5s. per week; unqualified. 286 Kingsland Road, London, E. 8.

LOCUM, age 46, qualified, abstainer, active, thoroughly reliable, highest references, has few vacant dates; Sheffield or Nottingham districts preferred, but not essential. Apply 213/29, Office of this Paper.

LOCUM; experienced; unqualified; abstainer; disengaged July 9th. Olliver, c/o Leach, Chemist, Macclesfield.

LONDON.—Dispenser, demobilised, 38, married, requires berth, Dispenser to Doctor or Dispensary, or as Representative; 43 years' Dispenser R.A.M.O.; knowledge of Dentistry. State salary to Route. 81 Belmont Road, Woodside, South Norwood.

M.P.S., D.B.O.A. (age 33, married), requires Management, with view to succession, where good Optical scope; 6 years present situation; first-class experience Optics, Photography, etc. Particulars re salary, hours, etc., to "Pharmoptic" (208/7), Office of this Paper.

M.P.S.; 29; single; West-End experience; demobilised; Locum or permanency; could start 30th; London preferred. Apply 208/30, Office of this Paper.

MANAGER or Locum; elderly experienced; disengaged. "Locum," Mr. Lemmon, Chemist, Billingham, Sussex.

MANAGER; qualified; 26, single; well experienced; Midlands or Cheshire preferred. Collis, c/o Wokes, Grassendale, Liverpool.

MANAGER; qualified; permanent; country or town; married; no family; outdoors preferred; all-round experience; middle-age, active, healthy, tall; excellent references; just disengaged. "Virus," 17 Gladstone Park Gardens, Crickelewood, N.W.

MANAGER or Managing Assistant; London district; 45; active; successful and modern business methods; Advertisement and Window-card Writer; Window-dresser; experienced Dispenser; over ten years present situation; first-class references. "Prelim" (208/10), Office of this Paper.

MANCHESTER.—Part-time Dispensing in exchange rooms over premises; Hall qualification. Apply 213/40, Office of this Paper.

PART-TIME (until October) Locum, or evening Dispensing, required by demobilised, educated, Minor Student, 27, of good address; eight years' good experience. Apply 208/11, Office of this Paper.

PART-TIME.—A Pharmacist and Optician (F.S.M.C.), having considerable amount spare time, is prepared to undertake relief or Part-time work; can arrange almost any part of day, or two or three days per week. "Noel" (212/13), Office of this Paper.

PART-TIME work; 1 to 5 p.m. "Dispenser," 21 Devons Road, Bow, E.

PHARMACIST desires situation as Manager or position of trust; excellent all-round experience. Oldham, 6 Craig Park Terrace, Bowness-on-Windermere.

PHARMACIST desires change; South Coast; commence August, September; Manager, Assistant; single; abstainer. Apply 201/26, Office of this Paper.

PERMANENCY or locum; unqualified; 25; tall; Liverpool district preferred; excellent references; disengaged 23rd June. Full particulars to Thomas, 36 Spellow Lane, Liverpool.

QUALIFIED Manager desires position in good-class business; thoroughly experienced Counter, Dispensing, and Photography; 30, married; excellent references; abstainer, capable, and trustworthy; permanency; please state salary and particulars of business. Apply 211/20, Office of this Paper.

QUALIFIED (27) seeks Managership; view to succession. "H. B.," 35 Chandos Street, Hereford.

QUALIFIED; middle-aged; active; all-round experience. Beta" (213/12), Office of this Paper.

RETIRED Pharmaceutical Chemist, active and sober, desires about four hours a day, useful easy employment in any healthy district. Particulars to "Trustworthy" (215/38), Office of this Paper.

SCOTLAND.—Qualified Locum, 28, experienced, desires engagements for first fortnight July, whole September; would consider permanency October. "Chemist," Crown Temperance Hotel, Montrose.

SOUTHPORT or District.—Assistant (unqualified), experienced, desires permanency. Olliver, Christian Road, Preston.

STUDENT, age 17, tall, with Wholesale experience, requires three or four years' experience with Retail Chemist (indoors preferred); distance no object. Fredk. Kamofsky, 37 Ernest Street, Stepney, London.

UNQUALIFIED; 50; varied experience; disengaged until end September. Logan, Edon Terrace, Stanwix, Carlisle.

UNQUALIFIED, just demobilised, desires post until October; East Anglia preferred. Jay, Station Road, Sudbury, Suffolk.

UNQUALIFIED; young; disengaged; N.H.I. "A. G. S.," 48 Agenoria Street, Wisbech, Cambs.

WANTED, by unqualified man, age 39, who has successfully Managed at present berth for 13 years, position as Manager; thoroughly experienced in all branches of business; capable, and not afraid of work; Travelling considered. Howell, Edward Street, Oswestry.

WELL-EDUCATED young man, Chemist's son, wishes to enter profession; will give services for nominal salary; South or South-East Coast preferred. Apply 204/28, Office of this Paper.

YOUNG lady, working for Apothecaries' Hall examination in October, would like to have some practice in Dispensing at Chemist's during summer vacation, July 7th to September 20th; must be in or near Southend-on-Sea. Banks, 215 Brompton Road, S.W. 3.

WHOLESALE.

1s. for 12 words or less; 6d. for every 10 words or less beyond. prepaid.

ADVERTISER, with eight years' Retail and six years' Travelling experience, of good appearance and address, desires appointment as Travelling Representative with first-class house trading with Chemists; good connection in Lancashire and adjacent counties; first-class references, and at liberty now. Good, 11 Wilbraham Road, Chorlton-cum-Hardy, Manchester.

DISCHARGED Soldier, age 24, requires situation as Sundries-man. G. Williams, 11 Dunstan Buildings, Ratcliffe, E. 1.

LADY (Major) desires post Analytical Laboratory, Manufacturing Chemist; experienced. Apply 212/21, Office of this Paper.

A LONDON RETAIL PHARMACIST, M.P.S., F.C.S., who has built up his own successful West-End business, contemplates selling out to take up **WHOLESALE APPOINTMENT**, some part of which would entail outdoor duties; qualifications, sound business ability and initiative, good address and appearance; aged 34; fluent French; Continental experience. Apply 212/10, Office of this Paper.

ADVERTISER (27), just demobilised, seeks suitable position; Drugs or Sundries; 4½ years with R.A.M.C. (sergeant), 5½ years' Retail experience; good references, appearance, and address. Apply "Sergeant," 152 Oldbury Road, West Smethwick, Birmingham.

AN educated, middle-aged man, active and energetic, and possessing a sound knowledge of the Toilet-trade processes, Pharmaceuticals, etc., seeks employment with someone embarking in the business; a small interest in the undertaking could be considered. Reply to "Zeta" (208/8), Office of this Paper.

BUSINESS DEVELOPMENT.—Chemist, with 15 years' experience of the Wholesale Drug trade, seeks engagement; promoted and controlled the largest business done in Packed Drugs, Toilet and speciality lines for Chemists; possesses the ability to originate high-class saleable lines; advertiser desires to become associated with a progressive firm to establish or enlarge business of the character indicated. Apply 208/34, Office of this Paper.

CHEMIST has every confidence in recommending the services of a thoroughly capable gentleman possessing good Retail and Wholesale experience for a position of trust in Wholesale firm; counting-house preferred. Apply "V. H. J." (211/9), Office of this Paper.

CHEMIST, qualified, recently demobilised, desires to change from Retail to Wholesale. "W. G. M.," 16 Willes Terrace, Leamington Spa.

CHEMIST, qualified, Scotsman, 32, knowledge Office Routine, Banking, and Modern Business Systems, seeks responsible position in the Wholesale trade; would entertain partnership or purchase of Business capable of development; capital available up to £5,000. Apply 206/9, Office of this Paper.

CHEMIST, with excellent record and qualifications, first-rate knowledge of General Analytical Routine work, exceptional experience in the Analysis of Chemicals, Drugs, and Galenical Products generally, desires position as Chemist to well-established House. Apply 208/31, Office of this Paper.

CHEMISTS' Exhibition.—Druggist offers his services as Expert Salesman; 30 years in the trade. Retail, Wholesale, and as Traveller. Write "F. P." (208/9), Office of this Paper.

DEMOLIBISED soldier, age 28, seeks situation; Warehouseman and Packer; state salary; nine years' experience. Carey, Chiselboro, Stoke-under-Ham, Somerset.

DISCHARGED Captain, four years' Service, 32, B.Sc. London, desires engagement as Works Chemist, Analyst, or Assistant Works Manager; has held Government public appointments previous to war; sound experience Foods, Drugs, Oils, Fats, Soaps, Essential Oils, Resins, Rubber, Artificial Manures, Tar, and Products; excellent knowledge of plant. Particulars and salary to 205/31, Office of this Paper.

FIELD ARTILLERY Officer, just demobilised (39), desires post with important firm; has had special experience in dealing with foreign clients; last post nearly 8 years with leading London Manufacturing Chemists, both in Office and as Representative in various parts of the world; previous to that, varied first-class Retail experience at home and abroad; fluent French; qualified; married. Please write, "Artillery" (207/33), Office of this Paper.

GENTLEMANLY, qualified, 41, keen Buyer and good Salesman, seeks remunerative position; accustomed to control of staff; disengaged shortly. Full particulars to 207/40, Office of this Paper.

PHARMACIST desires position as Traveller in Drug, Sundries, or Photographic; good references. Oldham, 6 Craig Park Terrace, Bowness-in-Windermere.

PHARMACIST (young) desires to represent a good house for Drugs, Chemicals, Sundries, etc.; South Wales district preferred; highest credentials. Apply "Pharmacist" (213/37), Office of this Paper.

QUALIFIED, long Bnying experience Retail, seeks position as Representative Wholesale House; North preferred. Please state salary offered to 207/400, Office of this Paper.

TOILET PREPARATIONS.—Laboratory Foreman seeks engagement; age 33; 15 years' experience in three good houses; good references; London preferred. "Energetic" (210/16), Office of this Paper.

WELL-PUT-UP, quick-selling, live Lines wanted by Traveller, M.P.S., to sell on commission; ground covered, London and Home Counties. Full particulars, in confidence, to 212/101, Office of this Paper.

WORKS MANAGER.—Chemist, with many years' experience in the Wholesale Drug trade, used to organisation and control of staff, seeks position for re-organisation on Management; London or suburbs preferred. Apply 208/340, Office of this Paper.

MISCELLANEOUS.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communication received which he may consider contrary to this rule

7s. for 60 words; every additional 10 words 6d.

MCADAM & TUCKNISS, Stock and Share Brokers, Bank Chambers, Blackheath, S.E. 3. Established 1898. Telephone: 81 Lee Green.

Shares for Sale (subject).—115 Allenbury "B" 6% Prefs. 19s. 10½d., 220 "C" 6% Prefs. 19s. 9d., £700 x 4½% Debentures 79½ per £100 Stock c.d. 1st July; 300 Commercial Salt, 2s. 1½d.; 100 Day & Martin, 13s. 7½d.; 200 J. C. Field Ord., 10s. 7½d.; 50 Stevenson & Howell Prefs., 16s. 3d.; 225 Parkes Drug 6% Prefs., 15s. 10½d.

Wanted (subject).—3,000 Idris "A" Ord., 5s. 3d.; Meggeson Ord. and Prefs.

FOR Sale, about 10 cwt. of Honey, pure white American, in 60-lb. tins, 10½d. per lb. E. E. Russell, Chemist, Letchworth, Herts.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

SHOWCASES AND SHOP FITTINGS.—Several fine Silent Salesman Showcases and Counters; quantity of useful Shop fittings; low prices. Write inquiries, Philip Josephs & Sons, Ltd., 93 Old Street, London, E.C. 1.

WHAT offers? 3 lb. Ol. Pimento, 12 lb. Ol. Anisi Russian. 5 lb. Ol. Menth. Pip. Ang., 140 lb. Tonquin Beans; in good condition. Apply 205/28, Office of this Paper.

10 CWT. Pure Florentine Orris-Root Powder, ground 120; overstocked; 110s. per cwt., all or part, f.o.r. London; cash on delivery. Apply 206/28, Office of this Paper.

The "Standard" Retail Price List

is the real *Standard*; built on definite systems with definite percentages of profit. Adopted by most of the leading Stores and real live business Chemists all over the country.

OVER 2,000 LINES OF PRICES.
NO CHEMIST CAN AFFORD TO BE WITHOUT IT.
Annual Subscription 7/6. Specimen copy 1/6; and send 6/- for eleven more monthly copies.

Published by CHARLES PHILIP, Chemist, Herne Bay.

To CHEMISTS and HERBALISTS, &c.

WANTED to buy sole rights of one or two proprietary lines in Cough Cures, Neuralgia Remedies, Fever Cure, Pills, &c. State price to Box 15, Advertising D department, JOHN HEYWOOD, Ltd., 121 Deansgate, Manchester

We are still open to buy your
KODAKS, CAMEOS, KLITOS, REFLEXES
—in fact anything photographic at high prices.

Don't keep that idle stock on your shelves. Send it along now, and we will make you an offer by return. Cheques immediately. Goods returned carriage paid if no business.

Wallace Heaton Ltd
INCORPORATING
WATSONS
CAMERA
HOUSE

17-19 CHANGE ALLEY, SHEFFIELD.
Phone: 27 & 255 Cent. Grams: "ZODELLA, Sheffield."

EXCHANGE COLUMN.

One penny per word: Minimum 1s

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule

FOR DISPOSAL.

BOOKS AND PERIODICALS

"C. & D."; bound half-calf; 1903 to 1908 inclusive; 12 volumes; 3s. each. Douglas, Ripon.

DENTAL.

EIGHT Bridge Showpieces. R. Lamb, 123 West End Lane, London, N.W. 6.

DRUGS AND CHEMICALS.

SURPLUS stock Sulphur Tablets Compressed (Garrod Formula): 7 lb., 12s. 10d., carriage paid; cash with order. S. M. Hibberd, Wolverhampton.

MISCELLANEOUS

OFFERS wanted for Water-Bed, 3 feet square; good condition. Reynolds, Chemist, Wallingford.
LAMP for shop front; coloured glass all round; embossed lettering; as new; what offers? Cooke, Chemist, Gorey, Ireland.
WHAT offers? Collection of specimens (Southall's) A. and B., in cardboard boxes, B.P. '14, with Key, also Supplementary Collection; all quite new. "X. Y. Z." (208/29), Office of this Paper.

WANTED.

NICOTINE; any quantity; state price. Parker, 107 Somerville Road, Small Heath, Birmingham.
WANTED, Optical Trial Case and Frame. Particulars to Ponsford, 85 Alderney Street, Victoria, S.W.
WANTED, Marist's Bi-Phosphate of Lime; good price offered. Quote price to Gilbert, Manorhamilton, Ireland.
WANTED (at once), in good condition. Dental Chair, Cabinet, and Engine. Maye, Modern Pharmacy, Fermoy.
WANTED, Carboys and Show Jars, in good condition. Apply, giving price f.o.r., to Melville Thomas, Chemist, Neath.
WANTED, "Journal Society Chemical Industry," "Perfumery and Essential Oil Trade Record," other Chemical Journals. Adan, 72 George Street, Aberdeen.
FILTER PRESS.—Wanted, large size hand-power Filter Press made of copper. Send full particulars and lowest price to Greenhill Works, Gunnislake, Tavistock.
WANTED, Camera, 2½ x 3½: films or plates; compound shutter and f4.5 or 6.3 lens; high price paid for instrument in good condition. James, 11 Clarence Square, Brighton.
WANTED, Gardner's Patent "Rapid" Sifters and Mixers for dry powders; also Gardner's Drying Machines; any size. Lowest prices and particulars to "L." (190/27), Office of this Paper.
£50 REWARD will be paid for non-poisonous substance for attracting and killing flies; do not send formula in first instance; no papers, tapes, or strings. F. Ponder, 12 Richmond Terrace, Brighton.
WANTED to purchase, small or large quantities of 1½-oz. Ring-necked Brilliantines, 4-oz. Brilliantines, 3 oz. Panel Flats, 4 oz. Mexicans, Collapsible Tubes and Tin Boxes. Address offers and samples to E. H. Wrigglesworth, Manufacturing Chemist, Hull.
WANTED, Radium Salt, pure or Residues, old Applicators, etc., Apply Harrison Glew, Radium Laboratories, 156 Clapham Road, S.W. 9.
OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation, cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W. 4.

Bye-law Protest Committee.

Save Yourselves and
Preserve Your Birthright

A Committee has been formed for the purpose of conducting propaganda to DEFEAT the proposed Bye-Law of the Pharmaceutical Council for the

Admission of Apothecaries' Assistants
to the
Register of Chemists and Druggists
without examination.

WE OPPOSE THIS BETRAYAL OF PHARMACY ON
THE FOLLOWING GROUNDS:—

1. Danger to the Public.
2. Lowering of standard of qualification required to carry on the business of Chemist and Druggist.
3. Back-door methods.

The danger is obvious. Don't be gulled by suggestions of secrecy.

Your support and financial aid is urgently needed for the carrying on of this propaganda.

The Balance Sheet will be duly published in the Pharmaceutical Press.

A. Keith, Esq. (Chairman)
J. Hearle, Esq. (Treasurer)

All Subscriptions & Correspondence to
Hubert B. Figg, M.P.S. (Hon. Sec.),
32 Antill Road, Bow, London, E.3.



THE WIGGLESWORTH WAY.

Is the Quick-as-Wink Way of selling CORN CURES.

Make your windows talk to the thousands of Men and Women whose corns are now compelling them to long for foot-ease. Use the attractive Wigglesworth Way show material, neat packages, and original selling ideas. They are proved Sale-makers, and are supplied gratis with the following good lines :—

Move-On and Corn Root Destroyer:

These comprise a tin filled with Corn Paste, adhesive plaster, and corn pad, enclosed in a slide box, with attractive two-coloured label.

Green Seal Corn Discs :

The usual green plaster disc, the oval non-slip protector. The two-coloured labelled box in silent salesman outer, makes a most effective counter or window display.

Easy Corn Cure and Kura Korn :

Liquid Corn Paint. The bottle is enclosed in card-board tube with an attractive and striking label printed in colours.

*Send postcard for Samples
and Prices to :*

Wigglesworth
LTD.

Westhoughton
LANCS.

TO WHOLESALE & EXPORT TRADES.

ESTABLISHED 1844.

Extracts
Tinctures in Bond

RANSOMS

Resins
Essential Oils

WILLIAM RANSOM & SON, LTD.,

MANUFACTURING PHARMACEUTICAL CHEMISTS.

Distillers of Essential Oils and Cultivators of Medicinal Plants.

HITCHIN, near LONDON.

Telephone 95 HITCHIN.

WYLEYS' PHARMACEUTICALS

AND
PACKED SPECIALITIES.

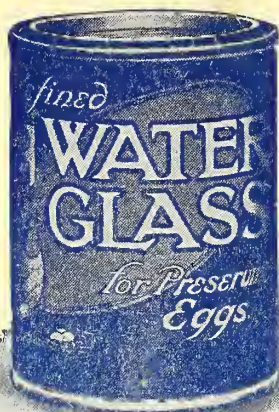
Wyleys Ltd. Coventry.

Cadbury's Cocoa and Chocolate

THE RECOGNISED STANDARD OF BRITISH MANUFACTURE.

MADE AT BOURNVILLE

GOODALL'S WATERGLASS



WE are again packing an excellent quality of Waterglass—one with which your customers are sure of success—in TINS, at what is to-day a very moderate price.

Egg preserving is getting more widely practised every year, and there is excellent business to be done if you buy now and display our very strong Waterglass Showcard. One or two are free with every order.

PRICES {	1 lb.	2 lb.	4 lb.	7 lb.	{ Less 2½ % to a/c F.O.R. Leeds
	5/-	7/6	14/-	24/-	
	PER DOZEN.				

GOODALL, BACKHOUSE & CO., LEEDS.